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*Attorneys for Plaintiff*  
ENDONOVO THERAPEUTICS, INC.

**UNITED STATES DISTRICT COURT**

**CENTRAL DISTRICT OF CALIFORNIA**

ENDONOVO THERAPEUTICS, INC.,  
a Delaware Corporation,

Plaintiff,

v.

KVP INTERNATIONAL, INC., a  
California Corporation, ORTHOCOR  
MEDICAL, INC., a Delaware  
Corporation, and CAERUS CORP., a  
Minnesota Corporation

Defendants.

Case No.: \_\_\_\_\_

**ENDONOVO THERAPEUTICS,  
INC.'S COMPLAINT FOR PATENT  
INFRINGEMENT**

**DEMAND FOR JURY TRIAL**

1 **COMPLAINT FOR PATENT INFRINGEMENT**

2 Plaintiff, Endonovo Therapeutics, Inc. (“Endonovo”), files this Complaint for Patent  
3 Infringement against KVP International, Inc., Orthocor Medical, Inc. and Caerus Corp.  
4 (collectively “Defendants”), and Demand for Jury Trial. Endonovo hereby complains and  
5 alleges as follows:

6 **INTRODUCTION**

- 7 1. Endonovo owns several patents based on the innovations of Dr. Arthur A.  
8 Pilla involving electromagnetically based medical therapies.
- 9 2. Dr. Pilla was a well-known pioneer in the field of electromagnetic therapies.  
10 Dr. Pilla’s life was focused on research involving the biological effects of electromagnetic  
11 fields and the use of such fields in healing various ailments in numerous areas of medicine.
- 12 3. Dr. Pilla invented the first FDA-approved bone healing device using Pulsed  
13 Electromagnetic Fields (PEMF). This device was designed to help hard to heal fractures,  
14 or nonunions. Dr. Pilla’s discoveries led to the creation of an entire industry in  
15 Electrotherapeutics.
- 16 4. Dr. Pilla obtained several patents on these PEMF technologies he developed.  
17 Endonovo currently owns the rights to many of Dr. Pilla’s patents, which have been  
18 infringed and continue to be infringed by several products that Defendants, and each of the  
19 them, have made, used, imported, sold and/or offered for sale.
- 20 5. Defendants have made, used, imported, sold and/or offered for sale, their  
21 infringing products for use in the same fields which Endonovo’s patents intended them to  
22 be used, and for the same purposes which the patents are directed.
- 23 6. Defendants have also created advertisements and instructions which describe  
24 infringing product uses and instruct users to combine components and/or otherwise use  
25 products in certain ways which infringe Endonovo’s patented method claims.

26 **NATURE OF THE ACTION**

27 7. This is a patent infringement action, based on the patent laws of the United  
28 States, codified at 35 United States Code, sections 271, *et seq.*, brought by Endonovo

1 against Defendants for their infringement, including willful infringement, of four United  
2 States Patents owned by Endonovo, the patent numbers and titles of which are:

3 a. U.S. Patent No. 7,740,574, entitled “Electromagnetic Treatment  
4 Induction Apparatus and Method for Using Same” (“The ‘574 Patent”);

5 b. U.S. Patent No. 7,758,490, entitled “Integrated Coil Apparatus for  
6 Therapeutically Treating Human and Animal Cells, Tissues and Organs with  
7 Electromagnetic Fields and Method for Using Same” (“The ‘490 Patent”);

8 c. U.S. Patent No. 8,961,385, entitled “Devices and Method for Treatment  
9 of Degenerative Joint Diseases with Electromagnetic Fields” (“The ‘385 Patent”);  
10 and

11 d. Patent 9,656,096, entitled Methods and Apparatus for Electromagnetic  
12 Enhancement of Biochemical Signaling Pathways for Therapeutics and Prophylaxis  
13 in Plants, Animals and Humans (“The ‘096 Patent”).

14 8. A true and correct copy of The ‘574 Patent is attached to this Complaint as  
15 Exhibit A.

16 9. A true and correct copy of The ‘490 Patent is attached to this Complaint as  
17 Exhibit B.

18 10. A true and correct copy of The ‘385 Patent is attached to this Complaint as  
19 Exhibit C.

20 11. A true and correct copy of The ‘096 Patent is attached to this Complaint as  
21 Exhibit D.

22 **PARTIES**

23 12. Plaintiff ENDONOVO THERAPEUTICS, INC. (“Endonovo”) is a  
24 corporation organized under the laws of the State of Delaware, with its principal place of  
25 business located at 6320 Canoga Avenue, 15th Floor, Woodland Hills, CA 91367.

26 13. Defendant KVP INTERNATIONAL, INC. (“KVP”) is a corporation  
27 organized under the laws of the State of California, with its principal place of business  
28 located at 13775 Ramona Ave., Chino, CA 91710.

1 14. Defendant ORTHOCOR MEDICAL, INC. (“Orthocor”) is a corporation  
2 organized under the laws of the State of Delaware, with its principal place of business  
3 located at 1251 Red Fox Rd., Arden Hills, MN 55112. Orthocor supplies relevant  
4 components and products to KVP.

5 15. Defendant CAERUS CORP. (“Caerus”) is a corporation organized under the  
6 laws of the State of Minnesota, with its principal place of business located at 1251 Red Fox  
7 Rd., Arden Hills, MN 55112. Caerus owns Orthocor, which it acquired in 2016.

8 **JURISDICTION AND VENUE**

9 16. This civil action arises out of the United States patent laws codified at 35  
10 United States Code sections 1 *et seq.*, thereby providing this court with subject matter  
11 jurisdiction over this action pursuant to 28 United States Code section 1331 and 1338  
12 subdivision (a), where this is a federal question involving patentable subject matter. The  
13 federal district courts therefore have original jurisdiction.

14 17. This court has personal jurisdiction over Defendant KVP, where KVP is a  
15 corporation organized under the laws of the State of California, and whose principal place  
16 of business is located in California.

17 18. This court has personal jurisdiction over Defendant Orthocor, as the supplier  
18 of critical components and parts to KVP, for use in KVP’s own infringing products and  
19 product line, for the ultimate sale and offers for sale of those products within California.  
20 Orthocor derives substantial profits, revenue and/or income from its sale of these parts and  
21 components to KVP for use in KVP’s infringing products sold within California.

22 19. Orthocor also derives substantial profits, revenue and/or income from the sale  
23 of its own infringing products and product line within California, including direct sales as  
24 well as indirect sales through its own distributors and/or retailers located in California, or  
25 that knowingly distribute or sell products to California consumers and/or businesses.

26 20. This court has personal jurisdiction over Defendant Caerus as the owner of  
27 Orthocor as the supplier of critical components and parts to KVP, for use in KVP’s own  
28 infringing products and product line, for the ultimate sale and offers for sale of those

1 products within California. Caerus, as the owner of Orthocor, also derives substantial  
2 profits, revenue and/or income from Orthocor’s sale of these parts and components to KVP  
3 for use in KVP’s infringing products sold within California.

4 21. Caerus also derives substantial profits, revenue and/or income from the sale of  
5 Orthocor’s infringing products as well as its own infringing products and product line  
6 within California, including direct sales as well as indirect sales through its own  
7 distributors and/or retailers located in California, or that knowingly distribute or sell  
8 products to California consumers and/or businesses.

9 22. Venue is also proper in this court pursuant to 28 United States Code sections  
10 1391 and 1400 where these Defendants reside, or have committed acts of infringement  
11 within this district and have a regular and established place of business.

12 **FACTUAL BACKGROUND**

13 **RELEVANT INNOVATIONS**

14 23. Dr. Arthur Pilla was an internationally recognized authority on non-invasive  
15 electrotherapy devices, who developed many products and patented technologies before his  
16 death in 2015.

17 24. During his life, Dr. Pilla conducted pioneering research in electromagnetic  
18 field (EMF) effects on living tissue and as of his death has already been awarded 16 patents  
19 with another 21 patents pending in the area of EMF therapeutics.

20 25. Dr. Pilla served as Scientist and Advisor to Ivivi Technologies (“Ivivi”). He  
21 patented several technologies during his time at Ivivi, assigning those patent rights to Ivivi.

22 26. Ivivi was a subsidiary of another company, ADM Tronics Unlimited, Inc.  
23 (“ADM”).

24 27. Rio Grande Neurosciences, Inc. (“Rio”) acquired certain Ivivi assets over the  
25 course of several years. By 2015 Rio had acquired all of Ivivi’s PEMF technology based  
26 patents, which Rio had previously licensed.

27 28. Endonovo thereafter acquired these PEMF-based patent rights from Rio on  
28 December 22, 2017.

1 29. Endonovo specifically acquired several patents which Defendants have been  
2 infringing and continue to infringe by creating, producing, manufacturing, importing,  
3 supplying, distributing, selling, reselling and/or offering to sell various infringing products  
4 or components contained therein which infringe alone or in combination.

5 PATENTS, ASSIGNMENT AND OWNERSHIP

6 30. The '574 Patent was granted on June 22, 2010.

7 31. All rights, title, and interest in the '574 Patent at the time it was granted, were  
8 assigned to Ivivi. Rio later acquired all rights, title and interest to the '574 Patent, which it  
9 then sold to Endonovo.

10 32. Since December 22, 2017 Endonovo has owned all rights, title and interest in  
11 the '574 Patent.

12 33. The '490 Patent was granted on July 20, 2010.

13 34. All rights, title, and interest in the '490 Patent at the time it was granted, were  
14 assigned to Ivivi. Rio later acquired all rights, title and interest to the '490 Patent, which it  
15 then sold to Endonovo.

16 35. Since December 22, 2017 Endonovo has owned all rights, title and interest in  
17 the '490 Patent.

18 36. The '385 Patent was granted on February 24, 2015.

19 37. All rights, title, and interest in the '385 Patent at the time it was granted, were  
20 assigned to Ivivi. Rio later acquired all rights, title and interest to the '385 Patent, which it  
21 then sold to Endonovo.

22 38. Since December 22, 2017 Endonovo has owned all rights, title and interest in  
23 the '385 Patent.

24 39. The '096 Patent was granted on May 23, 2017.

25 40. All rights, title, and interest in the '096 Patent at the time it was granted, were  
26 assigned to Ivivi. Rio later acquired all rights, title and interest to the '096 Patent, which it  
27 then sold to Endonovo.

28 41. Since December 22, 2017 Endonovo has owned all rights, title and interest in

1 the '096 Patent.

2 42. The patents in paragraphs [30-42] are collectively referred to as the  
3 "Endonovo Patents."

4 KNOWLEDGE OF THE PATENTS

5 43. Dr. Pilla was a pioneer in the area of EMF technologies, including PEMF, and  
6 incorporating those technologies into healing and therapeutic devices and medical  
7 therapies. Anyone practicing in electromagnetic therapy research and product development  
8 is aware of Dr. Pilla and his research, since it forms the basis of all such technologies, and  
9 whose innovations have been patented in this and many other countries.

10 44. KVP's own website that has a frequently asked questions (FAQ) section,  
11 which states that the "time treatment" approach used in its infringing product line is based  
12 on Dr. Pilla's research, and advertises this same product line as patented technology.

13 45. Orthocor and Caerus must be aware of Dr. Pilla's patents where Orthocor has  
14 tried to obtain patents in this same field, but has been significantly limited in the patent  
15 protection it has been able to obtain due to Dr. Pilla's own patents in the area. Orthocor has  
16 only been able to obtain a limited patent on the addition of a heating element into a PEMF  
17 based device. However, Orthocor's products, with or without any such heating element,  
18 still directly infringe the Endonovo Patents where they incorporate all parts of the patented  
19 PEMF-based apparatus and/or methods in those products or product line.

20 46. Orthocor also advertises its infringing products and product line as patented  
21 PEMF technology, without mentioning the heating element which Orthocor needed to  
22 obtain a patent in the first place. The advertisements establish that the therapeutic portion  
23 of the device and the portion worth offering for sale is the PEMF technology of the  
24 products or product line, irrespective of any heating component and/or element contained  
25 within those same products and/or product line. Orthocor and its parent company Caerus,  
26 know or certainly should know about the limitations of their own patents and the prior art  
27 which requires their patents to be so limited.

28 47. Defendants thus have knowledge, or should have knowledge of Endonovo's

1 Patents, and thus are willfully, knowingly and/or recklessly infringing Endonovo's Patents  
 2 by and through their ongoing and continued wrongful activities.

3 **INFRINGING PRODUCTS AND TECHNOLOGIES**

4 48. Defendants make, market, import, use, sell, and/or offer for sale several  
 5 products and related services within the United States, including this district, which  
 6 infringe Endonovo's Patents.

7 49. KVP makes, markets, uses, sells and offers for sale a product it refers to as its  
 8 KVP Cura line, including, but not limited to the KVP Cura Patch. KVP has trademarked  
 9 the KVP Cura name it uses to refer to its infringing products and/or product line, a picture  
 10 of KVP's infringing product line and advertisement for the same is shown below.



18 The KVP Cura™ Patch attaches with Velcro®  
 19 for use with a wide range of garments.

18 Features Pulsed Electromagnetic Field  
 19 (PEMF) Technology to Reduce Pain

20 The KVP Cura™ line reduces pain and  
 21 increases blood flow, providing effective  
 22 therapy for a variety of ailments. Using  
 23 PEMF technology, KVP Cura™ increases  
 24 metabolism, blood flow, and lymphatic  
 25 flow by accelerating the exchange of  
 26 positive and negative ions through the  
 27 cell membranes of an animal's body

28 **KVP Cura™ Patch**

ITEM #	DESCRIPTION
CURA-P1	KVP Cura™ Patch - 1 Pack
CURA-P2	KVP Cura™ Patch - 2 Pack

**KVP Cura™ Hip Dysplasia Garment**

ITEM #	SIZE	WAIST CIRC.
CURA-HDS	S	10" - 19"
CURA-HDM	M	17" - 27"
CURA-HDL	L	23" - 33"
CURA-HDXL	XL	27" - 37"

**WAIST CIRCUMFERENCE.** Wrap the measuring tape around  
 the narrowest point of the pet's waist, behind the ribs.

KVP INTERNATIONAL • (888) 411-7387 • Sales@KVPvet.com • www.KVPvet.com

1           50.    The KVP Cura line infringes, where according to KVP’s own website, “the  
2 KVP Cura line reduces pain and increases blood flow, providing effective therapy for a  
3 variety of ailments. Using PEMF technology, KVP Cura increases metabolism, blood flow,  
4 and lymphatic flow by accelerating the exchange of positive and negative ions through the  
5 cell membranes of an animal’s body.” Thus, the product line includes PEMF technology  
6 used for treating various ailments in exactly the same way as intended by the Endonovo  
7 Patents.

8           51.    The KVP Cura line includes a “KVP Cura Patch which attaches with Velcro  
9 for use with a wide variety of garments” according to KVP’s own website, where the Patch  
10 itself contains the PEMF technology. The Patch itself infringes certain claims of the  
11 Endonovo Patents, and can also be combined with a variety of therapeutic devices, where  
12 the combination infringes Endonovo’s patents. By instructing and/or encouraging a  
13 consumer and/or other user to combine or otherwise use a product in a particular way, KVP  
14 also indirectly infringes upon method claims within Endonovo’s Patents.

15           52.    Endonovo is informed and believes, and on that basis alleges, that KVP  
16 sought a trademark on its Cura name in October of 2017, and thus on or around this same  
17 time it also began marketing, making, using, selling and offering for sale the relevant  
18 infringing products and product line.

19           53.    Orthocor supplies KVP with components for use in the KVP Cura products  
20 and product line, including components with the PEMF technology built within, which  
21 either infringe the Endonovo Patents themselves, or infringe when used in combination  
22 with other components contained within the KVP Cura product line, where Orthocor  
23 encourages and/or instructs KVP to combine the components to create the infringing  
24 products and/or product line.

25           54.    Orthocor has also developed its own line of PEMF products, which infringe  
26 the Endonovo Patents. Orthocor refers to this line of products as “The OrthoCor Active  
27 System.” Orthocor sells and markets this “system” as a PEMF therapy used for pain relief  
28 targeting at least seven locations or “pain sites” on the body including the ankle, back,

1 knee, wrist, elbow, shoulder, and neck. “The OrthoCor Active System” for the back and  
2 knee are shown below.



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17 55. “The OrthoCor Active System,” according to Orthocor’s own website, is  
18 based on PEMF therapy which Orthocor also claims to have patented. However, Orthocor  
19 was only able to obtain a small subset of patents which all require the addition of a heating  
20 element into a PEMF device, and where such addition still does not save its products or  
21 product line from infringing upon the Endonovo Patents where all of the elements of the  
22 claims in these patents are otherwise met, regardless of whether the heating element is also  
23 included or not.

24 56. Despite knowing that its patents definitely require the additional heating  
25 component, at the very least, Orthocor does not mention this heating element as part of its  
26 “Active System” on its website, but instead claims the system is based on patented PEMF  
27 therapy. But the PEMF therapy is what is essentially patented by the Endonovo Patents.

28 57. Orthocor has marketed, made, used, sold and offered for sale various

1 infringing products contained within this “Active System” product line for several years. It  
2 is believed that Orthocor may have taken advantage of Dr. Pilla’s deteriorating health and  
3 Rio’s slow and drawn out acquisition of Ivivi’s PEMF Patents as well as its later sale of  
4 these assets to Endonovo.

5 58. Once Endonovo had acquired these patent rights, it sought to determine the  
6 extent to which Orthocor had knowingly infringed upon those patents.

7 59. Caerus acquired Orthocor in 2016. It continued to make, use, sell and/or offer  
8 for sale the infringing products of the “OrthoCor Active System.” It also makes, uses, sells  
9 and/or offers for sale its own infringing products and product line, which it refers to as the  
10 “EMbrace Relief System,” the “EMpower Device,” and the “EMbrace L’il Back System.”  
11 The “EMpower Device” is shown below.



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22 60. The “EMbrace Relief System” refers to a device which can be for therapy on  
23 the Hip, Back and/or Shoulder area of a dog or similar animal. The “EMbrace Relief  
24 System” is shown below.

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61. The “EMbrace L’il Back System” refers to the “EMpower Device” coupled with a back bracer for use on a dog or similar animal. The “EMbrace L’il Back System” is shown below.





1 infringement under the doctrine of equivalents, or both.

2 68. Defendants’ acts of making, using, selling and/or offering for sale or  
3 otherwise importing the infringing products and/or related services, have been done  
4 without license, and without the permission, consent, or authorization of Endonovo.

5 69. Defendants’ infringement includes, but is not limited to, the manufacture, use,  
6 importation, sale, and offer for sale of products contained in the “KVP Cura” line,  
7 including but not limited to the “KVP Cura Patch,” as well as any KVP braces and  
8 therapeutic devices made for the “KVP Cura Patch” or with a place such that the ‘KVP  
9 Cura Patch” will attach, the “OrthoCor Active System,” including all devices which make  
10 up this “Active System” line of products, including those which attach on or around, and  
11 target therapy to the ankle, knee, back, neck, elbow, wrist, and/or shoulder, the “EMbrace  
12 Relief System,” including each part of that system for use on the Hip, Back, and/or  
13 Shoulder, the “EMpower Device,” which can be used in combination with other  
14 therapeutic devices to target various areas of the body, and the “EMbrace L’il Back  
15 System,” which incorporates the PEMF device into the therapeutic back brace to create a  
16 new infringing product. These products are collectively referred to as the “‘574 Infringing  
17 Products.”

18 70. The ‘574 Infringing Products infringe the ‘574 Patent because each of these  
19 products either practices and/or utilizes a method for using an electromagnetic treatment  
20 inductive apparatus, where that method comprises the steps of (1) combining at least one  
21 inductive apparatus with a therapeutic device, wherein said therapeutic device is positioned  
22 in proximity to a target pathway structure, (2) configuring at least one waveform according  
23 to a mathematical model having at least one waveform parameter, said at least one  
24 waveform to be coupled to said target pathway structure, (3) choosing a value of said at  
25 least one waveform parameter to satisfy a signal to noise ratio model, so that said at least  
26 waveform is configured to be detectable in said target pathway structure above background  
27 activity in said target pathway structure, (4) generating an electromagnetic signal from said  
28 configured at least one waveform, (5) and coupling said electromagnetic signal to said

1 target pathway structure using said at least one inductive apparatus device thereby  
2 providing treatment.

3 71. Each of the ‘574 Infringing Products uses and/or incorporates this method,  
4 where each one combines an inductive apparatus either built into some kind of therapeutic  
5 device, or that is provided on a patch or other component which can then be attached or  
6 secured to such a device, while positioned or “coupled” near the location requiring therapy,  
7 referred to as the “target pathway structure,” and where the inductive device thereby  
8 generates an EM signal based on at least one waveform with at least one parameter  
9 satisfying signal to noise ratios such that the location to be healed will detect such a  
10 waveform in order to have any healing and/or therapeutic effect on that area (which  
11 explains how the necessary PEMF technology in these products must work to be effective  
12 in the first place).

13 72. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
14 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
15 lost profits and revenue through loss of sales of its own products by virtue of their  
16 infringement of the ‘574 Patent.

17 73. Endonovo has been harmed and sustained damages as a direct and proximate  
18 result of Defendants’ infringement of the ‘574 Patent. Endonovo is thus entitled to  
19 monetary compensation for Defendants’ infringement in an amount to be determined to  
20 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
21 Defendants through their infringement of the ‘574 Patent.

22 74. Endonovo is informed and believes, and on that basis alleges, that the  
23 infringement of the ‘574 Patent by Defendants, and each of them, is and has been  
24 intentional, willful and without regard to Endonovo’s rights. Defendants, and each of them,  
25 are aware of Dr. Pilla and his pioneering EMF research and the patents he obtained while  
26 conducting that research, which Endonovo now owns.

27 75. Despite Defendants’ knowledge of the Endonovo Patents, Defendants, and  
28 each of them, have sold and continue to sell the ‘574 Infringing Products and related

1 services in complete and reckless disregard of Endonovo’s patent rights. As such,  
2 Defendants have acted recklessly and continue to willfully, wantonly, and deliberately  
3 engage in acts of infringement of the ‘574 Patent, justifying an award for increased  
4 monetary damages pursuant to 35 United States Code, section 284, as well as attorneys’  
5 fees and costs pursuant to 35 United States Code, section 285.

6 76. As a result of Defendants’ unlawful activities, Endonovo has suffered and will  
7 continue to suffer irreparable harm for which there is no adequate remedy at law.  
8 Endonovo competes with Defendants in these areas of developing medical device  
9 technologies and/or therapies. Endonovo currently licenses use of the ‘574 Patent and is  
10 engaged in the licensing of its patent portfolio generally. Defendants’ continued  
11 infringement of the ‘574 Patent causes, and will continue to cause, harm to Endonovo in  
12 various ways, including but not limited to, price erosion, loss of goodwill, damage to  
13 reputation, lost business opportunities, lost revenue and income from the sale of its own  
14 products, and increased direct and/or indirect competition.

15 77. Monetary compensation alone for the damages incurred due to the harm  
16 caused by Defendants’ infringing activities is, and will continue to be, insufficient to  
17 compensate Endonovo for these harms. Endonovo is therefore entitled to preliminary  
18 and/or permanent injunctive relief. Unless enjoined, Defendants will continue their  
19 infringing activities and conduct. Thus, injunctive relief is necessary to protect Endonovo  
20 from ongoing injury and further damages.

21 **COUNT II**

22 **(Indirect Infringement of the ‘574 Patent pursuant to 35 U.S.C. §271(b).)**

23 78. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
24 herein, the allegations of all preceding paragraphs, as set forth above.

25 79. Defendants, and each of them, have induced and continue to induce  
26 infringement of one or more of the claims of the ‘574 Patent, in violation of 35 United  
27 States Code, section 271, subdivision (b).

28 80. In addition to their direct infringement, Defendants have indirectly infringed,

1 and will continue to indirectly infringe the ‘574 Patent by supplying components and  
2 otherwise instructing, directing and/or requiring others, including each of the other  
3 Defendants, as well as other suppliers, resellers, developers, distributors, customers,  
4 purchasers, consumers and/or other users to perform some or part of the steps of the ‘574  
5 Patent’s method claims, whether literally or under the doctrine of equivalents, where all  
6 such steps of the method claims are performed either by the Defendants or its suppliers,  
7 resellers, developers, distributors, customers, purchasers, consumers and/or other users, or  
8 some combination thereof.

9 81. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
10 and each of them, knew or were willfully blind to the fact that they each were inducing  
11 others, including each other, as well as other suppliers, resellers, developers, distributors,  
12 customers, purchasers, consumers and/or other users to infringe by practicing either  
13 themselves or in conjunction with Defendants, one or more of the method claims of the  
14 ‘574 Patent.

15 82. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
16 and each of them, knowingly and actively aided and abetted the direct infringement of the  
17 ‘574 Patent by instructing, directing, encouraging, and/or requiring others, including each  
18 of the other Defendants, as well as other suppliers, resellers, developers, distributors,  
19 customers, purchasers, consumers and/or other users to use the ‘574 Infringing Products.  
20 Such instruction and/or encouragement included, but was not limited to, advising third  
21 parties to use the ‘574 Infringing Products in an infringing manner, and distributing various  
22 guidelines and procedures to third parties explaining or instructing those parties on how to  
23 use the ‘574 Infringing Products in an infringing manner, providing mechanisms through  
24 which third parties could or may infringe the ‘574 Patent, as well as by advertising and  
25 promoting the use of the ‘574 Infringing Products in an infringing manner.

26 83. Examples of wrongful instruction, encouragement, advertisement, and  
27 distribution of guidelines can be seen on Defendants’ websites, advertisements for the ‘574  
28 Infringing Products, as well as Defendants’ own FAQ sheets, brochures, User Guides and

1 Instruction Sheets for the ‘574 Infringing Products, which, among other things, instructs,  
2 and/or encourages combining the PEMF inductive devices to a brace or other therapeutic  
3 device and/or item which is thereafter placed by the instructions near the location of the  
4 injured area requiring the therapy.

5 84. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
6 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
7 lost profits and revenue through loss of sales of its own products by virtue of their indirect  
8 infringing activities involving the ‘574 Patent.

9 85. Endonovo has been harmed and sustained damages as a direct and proximate  
10 result of Defendants’ infringement of the ‘574 Patent. Endonovo is thus entitled to  
11 monetary compensation for Defendants’ infringement in an amount to be determined to  
12 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
13 Defendants through their indirect infringing activities involving the ‘574 Patent.

14 86. Where Defendants have acted recklessly and continue to willfully, wantonly,  
15 and deliberately engage in acts of indirect infringement of the ‘574 Patent, an award for  
16 increased monetary damages pursuant to 35 United States Code, section 284, as well as  
17 attorneys’ fees and costs pursuant to 35 United States Code, section 285, is justified.

18 87. Where such indirect infringement also threatens to damage Endonovo in ways  
19 that cannot be adequately compensated by monetary compensation alone, Endonovo also  
20 requests and is entitled to preliminary and/or permanent injunctive relief from Defendants’  
21 ongoing infringing activities.

### 22 COUNT III

#### 23 **(Direct Infringement of the ‘490 Patent pursuant to 35 U.S.C. §271(a).)**

24 88. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
25 herein, the allegations of all preceding paragraphs, as set forth above.

26 89. Defendants, and each of them, have infringed and continue to infringe one or  
27 more of the claims of the ‘490 patent, by making, using, selling and/or offering for sale  
28 within the United States, or otherwise importing into the United States, the infringing

1 products, and/or infringing components of those products, in violation of 35 United States  
2 Code, section 271, subdivision (a).

3 90. Defendants’ infringement of the ‘490 Patent is based on literal infringement or  
4 infringement under the doctrine of equivalents, or both.

5 91. Defendants’ acts of making, using, selling and/or offering for sale or  
6 otherwise importing the infringing products and/or related services, have been done  
7 without license, and without the permission, consent, or authorization of Endonovo.

8 92. Defendants’ infringement includes, but is not limited to, the manufacture, use,  
9 importation, sale, and offer for sale of products contained in the “KVP Cura” line,  
10 including but not limited to all therapeutic braces and other devices which are used in  
11 combination with the “KVP Cura Patch,” or any KVP braces and therapeutic devices for  
12 which the PEMF technology is directly build into said brace or device, the “OrthoCor  
13 Active System,” including all devices which make up this “Active System” line of  
14 products, including those which attach on or around, and target therapy to the ankle, knee,  
15 back, neck, elbow, wrist, and/or shoulder, the “EMbrace Relief System,” including each  
16 part of that system for use on the Hip, Back, and/or Shoulder, as long as each is combined  
17 with the “EMpower Device,” or that same device when used in combination with any of  
18 Caerus’ braces or other form fitting therapeutic devices or garments, including the  
19 “EMbrace L’il Back System,” which incorporates the PEMF device into the therapeutic  
20 back brace. These products are collectively referred to as the “‘490 Infringing Products.”

21 93. The ‘490 Infringing Products infringe the ‘490 Patent because each one is an  
22 electromagnetic treatment apparatus for animals and humans comprising (1) a waveform  
23 configuration means for configuring at least one waveform to be coupled to a target  
24 pathway structure according to a mathematical model having at least one waveform  
25 parameter capable of being chosen to satisfy a Signal to Noise Ratio model so that said at  
26 least one waveform is configured to be detectable in said target structure above background  
27 activity in said target pathway structure, (2) at least one coupling device connected to said  
28 waveform configuration means by at least one connecting means for generating an

1 electromagnetic signal from said configured at least one waveform and for coupling said  
2 electromagnetic signal to said target pathway structure, and (3) a positioning device  
3 wherein said at least one coupling device is integral to said positioning device.

4 94. Each of the ‘490 Infringing Products involves an electromagnetic treatment  
5 apparatus for an animal or human in which PEMF therapy is used, and thereby comprises a  
6 waveform configuration means in which at least one parameter is chosen and configured to  
7 satisfy signal to noise ratio such that the signal will be detectable by the “target structure”  
8 and which will be coupled to the target pathway structure, that is, the area of the body to be  
9 healed or requiring therapy, and where these products also comprise a connecting means to  
10 couple the generated signal of the configured waveform to the target area requiring  
11 therapy, where the connecting means is the brace and/or a patch which attaches directly to  
12 the brace, and where the brace then connects directly to the body to encompass the area to  
13 be healed which provides the positioning means integral to the coupling of the signal  
14 generated and the targeted area.

15 95. The ‘490 Infringing Products also infringe the ‘490 Patent because each of  
16 these products either practices and/or utilizes a method for electromagnetic therapeutic  
17 treatment of animals and humans comprising the steps of (1) configuring at least one  
18 waveform according to a mathematical model having at least one waveform parameter,  
19 said at least one waveform to be coupled to a target pathway structure, (2) choosing a value  
20 of said at least one waveform parameter to satisfy a Signal to Noise Ratio model so that  
21 said at least waveform is configured to be detectable in said target pathway structure above  
22 background activity in said target pathway structure, (3) generating an electromagnetic  
23 signal from said configured at least one waveform, (4) integrating at least one coupling  
24 device with a positioning device to be placed in proximity to said target pathway structure,  
25 and (5) coupling said electromagnetic signal to said target pathway structure using said at  
26 least one coupling device.

27 96. Each of the ‘490 Infringing Products uses and/or incorporates this method  
28 which ultimately is the PEMF signal configuring and generating methods employed by all

1 of the infringing devices, and doing so in such a way where the signal generated is then  
2 coupled (placed in close proximity to) the target pathway structure (the part of the body to  
3 be healed) by means of this integration of a coupling device with a positioning device,  
4 where the positioning device would be some type of device which positions in and/or  
5 around the area at issue, such as a form fitting brace and/or garment and where the  
6 coupling device would be the attachable unit or patch or the means or device by which the  
7 inductive unit is thereby attached to the brace and/or garment, regardless of how that unit  
8 or patch is attached thereto.

9 97. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
10 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
11 lost profits and revenue through loss of sales of its own products by virtue of their  
12 infringement of the '490 Patent.

13 98. Endonovo has been harmed and sustained damages as a direct and proximate  
14 result of Defendants' infringement of the '490 Patent. Endonovo is thus entitled to  
15 monetary compensation for Defendants' infringement in an amount to be determined to  
16 compensate for Endonovo's lost sales and profits and/or the profits and revenue gained by  
17 Defendants through their infringement of the '490 Patent.

18 99. Endonovo is informed and believes, and on that basis alleges, that the  
19 infringement of the '490 Patent by Defendants, and each of them, is and has been  
20 intentional, willful and without regard to Endonovo's rights. Defendants, and each of them,  
21 are aware of Dr. Pilla and his pioneering EMF research and the patents he obtained while  
22 conducting that research, which Endonovo now owns.

23 100. Despite Defendants' knowledge of the Endonovo Patents, Defendants, and  
24 each of them, have sold and continue to sell the '490 Infringing Products and related  
25 services in complete and reckless disregard of Endonovo's patent rights. As such,  
26 Defendants have acted recklessly and continue to willfully, wantonly, and deliberately  
27 engage in acts of infringement of the '490 Patent, justifying an award for increased  
28 monetary damages pursuant to 35 United States Code, section 284, as well as attorneys'

1 fees and costs pursuant to 35 United States Code, section 285.

2 101. As a result of Defendants’ unlawful activities, Endonovo has suffered and will  
3 continue to suffer irreparable harm for which there is no adequate remedy at law.  
4 Endonovo competes with Defendants in these areas of developing medical device  
5 technologies and/or therapies. Endonovo currently licenses use of the ‘490 Patent and is  
6 engaged in the licensing of its patent portfolio generally. Defendants’ continued  
7 infringement of the ‘490 Patent causes, and will continue to cause, harm to Endonovo in  
8 various ways, including but not limited to, price erosion, loss of goodwill, damage to  
9 reputation, lost business opportunities, lost revenue and income from the sale of its own  
10 products, and increased direct and/or indirect competition.

11 102. Monetary compensation alone for the damages incurred due to the harm  
12 caused by Defendants’ infringing activities is, and will continue to be, insufficient to  
13 compensate Endonovo for these harms. Endonovo is therefore entitled to preliminary  
14 and/or permanent injunctive relief. Unless enjoined, Defendants will continue their  
15 infringing activities and conduct. Thus, injunctive relief is necessary to protect Endonovo  
16 from ongoing injury and further damages.

17 **COUNT IV**

18 **(Indirect Infringement of the ‘490 Patent pursuant to 35 U.S.C. §271(b).)**

19 103. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
20 herein, the allegations of all preceding paragraphs, as set forth above.

21 104. Defendants, and each of them, have induced and continue to induce  
22 infringement of one or more of the claims of the ‘490 Patent, in violation of 35 United  
23 States Code, section 271, subdivision (b).

24 105. In addition to their direct infringement, Defendants have indirectly infringed,  
25 and will continue to indirectly infringe the ‘490 Patent by supplying components and  
26 otherwise instructing, directing and/or requiring others, including each of the other  
27 Defendants, as well as other suppliers, resellers, developers, distributors, customers,  
28 purchasers, consumers and/or other users to perform some or part of the steps of the ‘490

1 Patent's method claims, whether literally or under the doctrine of equivalents, where all  
2 such steps of the method claims are performed either by the Defendants or its suppliers,  
3 resellers, developers, distributors, customers, purchasers, consumers and/or other users, or  
4 some combination thereof.

5 106. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
6 and each of them, knew or were willfully blind to the fact that they each were inducing  
7 others, including each other, as well as other suppliers, resellers, developers, distributors,  
8 customers, purchasers, consumers and/or other users to infringe by practicing either  
9 themselves or in conjunction with Defendants, one or more of the method claims of the  
10 '490 Patent.

11 107. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
12 and each of them, knowingly and actively aided and abetted the direct infringement of the  
13 '490 Patent by instructing, directing, encouraging, and/or requiring others, including each  
14 of the other Defendants, as well as other suppliers, resellers, developers, distributors,  
15 customers, purchasers, consumers and/or other users to use the '490 Infringing Products.  
16 Such instruction and/or encouragement included, but was not limited to, advising third  
17 parties to use the '490 Infringing Products in an infringing manner, and distributing various  
18 guidelines and procedures to third parties explaining or instructing those parties on how to  
19 use the '490 Infringing Products in an infringing manner, providing mechanisms through  
20 which third parties could or may infringe the '490 Patent, as well as by advertising and  
21 promoting the use of the '490 Infringing Products in an infringing manner.

22 108. Examples of wrongful instruction, encouragement, advertisement, and  
23 distribution of guidelines can be seen on Defendants' websites, advertisements for the '490  
24 Infringing Products, as well as Defendants' own FAQ sheets, brochures, User Guides and  
25 Instruction Sheets for the '490 Infringing Products, which, among other things, instructs,  
26 and/or encourages combining the PEMF inductive devices to a brace or other therapeutic  
27 device and/or item which is thereafter placed by the instructions near the location of the  
28 injured area requiring the therapy.

1 109. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
2 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
3 lost profits and revenue through loss of sales of its own products by virtue of their indirect  
4 infringing activities involving the ‘490 Patent.

5 110. Endonovo has been harmed and sustained damages as a direct and proximate  
6 result of Defendants’ infringement of the ‘490 Patent. Endonovo is thus entitled to  
7 monetary compensation for Defendants’ infringement in an amount to be determined to  
8 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
9 Defendants through their indirect infringing activities involving the ‘490 Patent.

10 111. Where Defendants have acted recklessly and continue to willfully, wantonly,  
11 and deliberately engage in acts of indirect infringement of the ‘490 Patent, an award for  
12 increased monetary damages pursuant to 35 United States Code, section 284, as well as  
13 attorneys’ fees and costs pursuant to 35 United States Code, section 285, is justified.

14 112. Where such indirect infringement also threatens to damage Endonovo in ways  
15 that cannot be adequately compensated by monetary compensation alone, Endonovo also  
16 requests and is entitled to preliminary and/or permanent injunctive relief from Defendants’  
17 ongoing infringing activities.

18 **COUNT V**

19 **(Direct Infringement of the ‘385 Patent pursuant to 35 U.S.C. §271(a).)**

20 113. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
21 herein, the allegations of all preceding paragraphs, as set forth above.

22 114. Defendants, and each of them, have infringed and continue to infringe one or  
23 more of the claims of the ‘385 patent, by making, using, selling and/or offering for sale  
24 within the United States, or otherwise importing into the United States, the infringing  
25 products, and/or infringing components of those products, in violation of 35 United States  
26 Code, section 271, subdivision (a).

27 115. Defendants’ infringement of the ‘385 Patent is based on literal infringement or  
28 infringement under the doctrine of equivalents, or both.

1 116. Defendants’ acts of making, using, selling and/or offering for sale or  
2 otherwise importing the infringing products and/or related services, have been done  
3 without license, and without the permission, consent, or authorization of Endonovo.

4 117. Defendants’ infringement includes, but is not limited to, the manufacture, use,  
5 importation, sale, and offer for sale of products contained in the “KVP Cura” line,  
6 including but not limited to the “KVP Cura Patch,” as well as any KVP braces and  
7 therapeutic devices made for the “KVP Cura Patch” or with a place such that the ‘KVP  
8 Cura Patch” will attach, the “OrthoCor Active System,” including all devices which make  
9 up this “Active System” line of products, including those which attach on or around, and  
10 target therapy to the ankle, knee, back, neck, elbow, wrist, and/or shoulder, the “EMbrace  
11 Relief System,” including each part of that system for use on the Hip, Back, and/or  
12 Shoulder, the “EMpower Device,” which can be used in combination with other  
13 therapeutic devices to target various areas of the body, and the “EMbrace L’il Back  
14 System,” which incorporates the PEMF device into the therapeutic back brace to create a  
15 new infringing product. These products are collectively referred to as the “‘385 Infringing  
16 Products.”

17 118. The ‘385 Infringing Products infringe the ‘385 Patent because each employs,  
18 practices or utilizes a method of treating degenerative joint disease comprising (1)  
19 positioning a flexible coil wire applicator of a lightweight wearable or stationary pulsed  
20 EMF therapy device adjacent to a joint or tissue to be treated, and (2) applying a treatment  
21 regime from the therapy device, wherein the treatment regime comprises bursts of  
22 electromagnetic signals having a peak amplitude of less than about 200 milliGauss,  
23 wherein the bursts have a duration of between about 0.5 msec and about 50 msec, further  
24 wherein the bursts are repeated at an interburst interval of between about 2 seconds and 0.1  
25 second for a treatment on-time. followed by a treatment off-time that is greater than the  
26 treatment on-time, *or instead* comprising (1) positioning a flexible coil wire applicator of a  
27 lightweight, wearable battery-operated EMF therapy device adjacent to a joint or tissue to  
28 be treated, and (2) treating the joint or tissue by applying bursts of electromagnetic waves

1 having a peak amplitude of less than about 200 milliGauss from the therapy device,  
 2 wherein the bursts have a duration of between about 0.5 msec and about 50msec. further  
 3 wherein the bursts are repeated at an interburst interval of between about 10 seconds and  
 4 0.1 second for a treatment on-time of between about 5minutes and 30 minutes. followed by  
 5 a treatment off-time that is greater than about 30 minutes, *or instead* comprising (1)  
 6 applying a coil applicator of a lightweight wearable or stationary pulsed EMF therapy  
 7 device adjacent to a joint or tissue to be treated and (2) applying a treatment regime from  
 8 the therapy device wherein the treatment regime comprises bursts of electromagnetic  
 9 waves having a peak amplitude of less than about 200 milliGauss, wherein the bursts have  
 10 a duration of between about 0.5msec and about 50 msec. further wherein the bursts are  
 11 repeated at an interburst interval of between about 2 seconds and 0.1 second for a treatment  
 12 on-time, followed by a treatment off-time that is greater than the treatment on-time.

13         119. Each of the ‘385 Infringing Products uses and/or incorporates one of these  
 14 methods within those products by positioning a flexible coil wire applicator or a coil  
 15 applicator that is either lightweight, or contained within a lightweight and wearable device,  
 16 sometimes battery operated, and then by employing a timed system of EMF pulses through  
 17 the device positioned adjacent to the joint or tissue to be treated, in which bursts of EM  
 18 waveforms are applied as part of a treatment regime based on these timed intervals which  
 19 Dr. Pilla’s research determined had optimal healing and therapeutic effects for treatment of  
 20 degenerative joint diseases and to provide the requisite pain relief caused by such diseases.  
 21 KVP admits to utilizing the timed approach based on Dr. Pilla’s research. Endonovo is  
 22 informed and believes, and on that basis alleges, that KVP obtains the requisite PEMF  
 23 component parts from Orthocor who already was using the same technology in its own  
 24 infringing products, and where those parts were also later incorporated into Caerus’ own  
 25 product line.

26         120. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
 27 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
 28 lost profits and revenue through loss of sales of its own products by virtue of their

1 infringement of the ‘385 Patent.

2       121. Endonovo has been harmed and sustained damages as a direct and proximate  
3 result of Defendants’ infringement of the ‘385 Patent. Endonovo is thus entitled to  
4 monetary compensation for Defendants’ infringement in an amount to be determined to  
5 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
6 Defendants through their infringement of the ‘385 Patent.

7       122. Endonovo is informed and believes, and on that basis alleges, that the  
8 infringement of the ‘385 Patent by Defendants, and each of them, is and has been  
9 intentional, willful and without regard to Endonovo’s rights. Defendants, and each of them,  
10 are aware of Dr. Pilla and his pioneering EMF research and the patents he obtained while  
11 conducting that research, which Endonovo now owns.

12       123. Despite Defendants’ knowledge of the Endonovo Patents, Defendants, and  
13 each of them, have sold and continue to sell the ‘385 Infringing Products and related  
14 services in complete and reckless disregard of Endonovo’s patent rights. As such,  
15 Defendants have acted recklessly and continue to willfully, wantonly, and deliberately  
16 engage in acts of infringement of the ‘385 Patent, justifying an award for increased  
17 monetary damages pursuant to 35 United States Code, section 284, as well as attorneys’  
18 fees and costs pursuant to 35 United States Code, section 285.

19       124. As a result of Defendants’ unlawful activities, Endonovo has suffered and will  
20 continue to suffer irreparable harm for which there is no adequate remedy at law.  
21 Endonovo competes with Defendants in these areas of developing medical device  
22 technologies and/or therapies. Endonovo currently licenses use of the ‘385 Patent and is  
23 engaged in the licensing of its patent portfolio generally. Defendants’ continued  
24 infringement of the ‘385 Patent causes, and will continue to cause, harm to Endonovo in  
25 various ways, including but not limited to, price erosion, loss of goodwill, damage to  
26 reputation, lost business opportunities, lost revenue and income from the sale of its own  
27 products, and increased direct and/or indirect competition.

28       125. Monetary compensation alone for the damages incurred due to the harm

1 caused by Defendants’ infringing activities is, and will continue to be, insufficient to  
2 compensate Endonovo for these harms. Endonovo is therefore entitled to preliminary  
3 and/or permanent injunctive relief. Unless enjoined, Defendants will continue their  
4 infringing activities and conduct. Thus, injunctive relief is necessary to protect Endonovo  
5 from ongoing injury and further damages.

6  
7 **COUNT VI**

8 **(Indirect Infringement of the ‘385 Patent pursuant to 35 U.S.C. §271(b).)**

9 126. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
10 herein, the allegations of all preceding paragraphs, as set forth above.

11 127. Defendants, and each of them, have induced and continue to induce  
12 infringement of one or more of the claims of the ‘385 Patent, in violation of 35 United  
13 States Code, section 271, subdivision (b).

14 128. In addition to their direct infringement, Defendants have indirectly infringed,  
15 and will continue to indirectly infringe the ‘385 Patent by supplying components and  
16 otherwise instructing, directing and/or requiring others, including each of the other  
17 Defendants, as well as other suppliers, resellers, developers, distributors, customers,  
18 purchasers, consumers and/or other users to perform some or part of the steps of the ‘385  
19 Patent’s method claims, whether literally or under the doctrine of equivalents, where all  
20 such steps of the method claims are performed either by the Defendants or its suppliers,  
21 resellers, developers, distributors, customers, purchasers, consumers and/or other users, or  
22 some combination thereof.

23 129. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
24 and each of them, knew or were willfully blind to the fact that they each were inducing  
25 others, including each other, as well as other suppliers, resellers, developers, distributors,  
26 customers, purchasers, consumers and/or other users to infringe by practicing either  
27 themselves or in conjunction with Defendants, one or more of the method claims of the  
28 ‘385 Patent.

130. Endonovo is informed and believes, and on that basis alleges, that Defendants,

1 and each of them, knowingly and actively aided and abetted the direct infringement of the  
2 ‘385 Patent by instructing, directing, encouraging, and/or requiring others, including each  
3 of the other Defendants, as well as other suppliers, resellers, developers, distributors,  
4 customers, purchasers, consumers and/or other users to use the ‘385 Infringing Products.  
5 Such instruction and/or encouragement included, but was not limited to, advising third  
6 parties to use the ‘385 Infringing Products in an infringing manner, and distributing various  
7 guidelines and procedures to third parties explaining or instructing those parties on how to  
8 use the ‘385 Infringing Products in an infringing manner, providing mechanisms through  
9 which third parties could or may infringe the ‘385 Patent, as well as by advertising and  
10 promoting the use of the ‘490 Infringing Products in an infringing manner.

11 131. Examples of wrongful instruction, encouragement, advertisement, and  
12 distribution of guidelines can be seen on Defendants’ websites, advertisements for the ‘385  
13 Infringing Products, as well as Defendants’ own FAQ sheets, brochures, User Guides and  
14 Instruction Sheets for the ‘385 Infringing Products, which, among other things, instructs,  
15 and/or encourages combining the PEMF inductive devices to a brace or other therapeutic  
16 device and/or item which is thereafter placed by the instructions near the location of the  
17 injured area requiring the therapy and began the specified treatment to the location.

18 132. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
19 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
20 lost profits and revenue through loss of sales of its own products by virtue of their indirect  
21 infringing activities involving the ‘385 Patent.

22 133. Endonovo has been harmed and sustained damages as a direct and proximate  
23 result of Defendants’ infringement of the ‘385 Patent. Endonovo is thus entitled to  
24 monetary compensation for Defendants’ infringement in an amount to be determined to  
25 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
26 Defendants through their indirect infringing activities involving the ‘385 Patent.

27 134. Where Defendants have acted recklessly and continue to willfully, wantonly,  
28 and deliberately engage in acts of indirect infringement of the ‘385 Patent, an award for

1 increased monetary damages pursuant to 35 United States Code, section 284, as well as  
2 attorneys’ fees and costs pursuant to 35 United States Code, section 285, is justified.

3 135. Where such indirect infringement also threatens to damage Endonovo in ways  
4 that cannot be adequately compensated by monetary compensation alone, Endonovo also  
5 requests and is entitled to preliminary and/or permanent injunctive relief from Defendants’  
6 ongoing infringing activities.

7 **COUNT VII**

8 **(Direct Infringement of the ‘096 Patent pursuant to 35 U.S.C. §271(a).)**

9 136. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
10 herein, the allegations of all preceding paragraphs, as set forth above.

11 137. Defendants, and each of them, have infringed and continue to infringe one or  
12 more of the claims of the ‘096 patent, by making, using, selling and/or offering for sale  
13 within the United States, or otherwise importing into the United States, the infringing  
14 products, and/or infringing components of those products, in violation of 35 United States  
15 Code, section 271, subdivision (a).

16 138. Defendants’ infringement of the ‘096 Patent is based on literal infringement or  
17 infringement under the doctrine of equivalents, or both.

18 139. Defendants’ acts of making, using, selling and/or offering for sale or  
19 otherwise importing the infringing products and/or related services, have been done  
20 without license, and without the permission, consent, or authorization of Endonovo.

21 140. Defendants’ infringement includes, but is not limited to, the manufacture, use,  
22 importation, sale, and offer for sale of products contained in the “KVP Cura” line,  
23 including but not limited to the “KVP Cura Patch,” as well as any KVP braces and  
24 therapeutic devices made for the “KVP Cura Patch” or with a place such that the ‘KVP  
25 Cura Patch” will attach, the “OrthoCor Active System,” including all devices which make  
26 up this “Active System” line of products, including those which attach on or around, and  
27 target therapy to the ankle, knee, back, neck, elbow, wrist, and/or shoulder, the “EMbrace  
28 Relief System,” including each part of that system for use on the Hip, Back, and/or

1 Shoulder, the “EMpower Device,” which can be used in combination with other  
2 therapeutic devices to target various areas of the body, and the “EMbrace L’il Back  
3 System,” which incorporates the PEMF device into the therapeutic back brace to create a  
4 new infringing product. These products are collectively referred to as the “‘096 Infringing  
5 Products.”

6 141. The ‘096 Infringing Products infringe the ‘096 Patent because each one is a  
7 device for accelerating cytosolic ion binding to a corresponding cytosolic buffer to  
8 modulate a biochemical signaling pathway employed for tissue growth, repair and  
9 maintenance, the device configured to increase a voltage across a target ion binding  
10 pathway according to an asymmetrical binding kinetics of the target pathway, wherein the  
11 target ion binding pathway has an ion bound time, the device comprising: a flexible and  
12 circular lightweight wire coil applicator; and a signal generator configured to apply an  
13 electromagnetic signal to the applicator to induce, in the target pathway, a peak electric  
14 field between 1 to 100 V/m, wherein a signal generated by the signal generator has a pulse  
15 duration, random signal duration or carrier period which is less than twice the ion bound  
16 time, applied in a burst of waveforms having a pulse duration of between 1  $\mu$ s and 100  $\mu$ s,  
17 further wherein the signal generated has a burst duration between 1 to 10 msec of between  
18 5 MHz to 50 MHz carrier waves, repeating between 1 and 10 bursts/sec.

19 142. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
20 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
21 lost profits and revenue through loss of sales of its own products by virtue of their  
22 infringement of the ‘096 Patent.

23 143. Endonovo has been harmed and sustained damages as a direct and proximate  
24 result of Defendants’ infringement of the ‘096 Patent. Endonovo is thus entitled to  
25 monetary compensation for Defendants’ infringement in an amount to be determined to  
26 compensate for Endonovo’s lost sales and profits and/or the profits and revenue gained by  
27 Defendants through their infringement of the ‘096 Patent.

28 144. Endonovo is informed and believes, and on that basis alleges, that the

1 infringement of the '096 Patent by Defendants, and each of them, is and has been  
2 intentional, willful and without regard to Endonovo's rights. Defendants, and each of them,  
3 are aware of Dr. Pilla and his pioneering EMF research and the patents he obtained while  
4 conducting that research, which Endonovo now owns.

5 145. Despite Defendants' knowledge of the Endonovo Patents, Defendants, and  
6 each of them, have sold and continue to sell the '096 Infringing Products and related  
7 services in complete and reckless disregard of Endonovo's patent rights. As such,  
8 Defendants have acted recklessly and continue to willfully, wantonly, and deliberately  
9 engage in acts of infringement of the '096 Patent, justifying an award for increased  
10 monetary damages pursuant to 35 United States Code, section 284, as well as attorneys'  
11 fees and costs pursuant to 35 United States Code, section 285.

12 146. As a result of Defendants' unlawful activities, Endonovo has suffered and will  
13 continue to suffer irreparable harm for which there is no adequate remedy at law.  
14 Endonovo competes with Defendants in these areas of developing medical device  
15 technologies and/or therapies. Endonovo currently licenses use of the '096 Patent and is  
16 engaged in the licensing of its patent portfolio generally. Defendants' continued  
17 infringement of the '096 Patent causes, and will continue to cause, harm to Endonovo in  
18 various ways, including but not limited to, price erosion, loss of goodwill, damage to  
19 reputation, lost business opportunities, lost revenue and income from the sale of its own  
20 products, and increased direct and/or indirect competition.

21 147. Monetary compensation alone for the damages incurred due to the harm  
22 caused by Defendants' infringing activities is, and will continue to be, insufficient to  
23 compensate Endonovo for these harms. Endonovo is therefore entitled to preliminary  
24 and/or permanent injunctive relief. Unless enjoined, Defendants will continue their  
25 infringing activities and conduct. Thus, injunctive relief is necessary to protect Endonovo  
26 from ongoing injury and further damages.

27 **COUNT VIII**

28 **(Indirect Infringement of the '096 Patent pursuant to 35 U.S.C. §271(b).)**

1 148. Endonovo repeats, realleges, and incorporates by reference, as if fully set forth  
2 herein, the allegations of all preceding paragraphs, as set forth above.

3 149. Defendants, and each of them, have induced and continue to induce  
4 infringement of one or more of the claims of the '096 Patent, in violation of 35 United  
5 States Code, section 271, subdivision (b).

6 150. Endonovo is informed and believes, and on that basis alleges, that Defendants  
7 knowingly and actively aided and abetted the direct infringement of the '096 Patent by  
8 instructing, directing, encouraging, and/or requiring others as well as other suppliers,  
9 resellers, developers, distributors, customers, purchasers, consumers and/or other users to  
10 use the '096 Infringing Products. Such instruction and/or encouragement included, but was  
11 not limited to, advising third parties to use the '096 Infringing Products in an infringing  
12 manner, and distributing various guidelines and procedures to third parties explaining or  
13 instructing those parties on how to use the '096 Infringing Products in an infringing  
14 manner, providing mechanisms through which third parties could or may infringe the '096  
15 Patent, as well as by advertising and promoting the use of the '096 Infringing Products in  
16 an infringing manner.

17 151. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
18 and each of them, knew or were willfully blind to the fact that they each were inducing  
19 others, including each other, as well as other suppliers, resellers, developers, distributors,  
20 customers, purchasers, consumers and/or other users to infringe by practicing either  
21 themselves or in conjunction with Defendants, one or more of the method claims of the  
22 '096 Patent.

23 152. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
24 and each of them, knowingly and actively aided and abetted the direct infringement of the  
25 '096 Patent by instructing, directing, encouraging, and/or requiring others, including each  
26 of the other Defendants, as well as other suppliers, resellers, developers, distributors,  
27 customers, purchasers, consumers and/or other users to use the '096 Infringing Products.  
28 Such instruction and/or encouragement included, but was not limited to, advising third

1 parties to use the '096 Infringing Products in an infringing manner, and distributing various  
2 guidelines and procedures to third parties explaining or instructing those parties on how to  
3 use the '096 Infringing Products in an infringing manner, providing mechanisms through  
4 which third parties could or may infringe the '096 Patent, as well as by advertising and  
5 promoting the use of the '096 Infringing Products in an infringing manner.

6 153. Examples of wrongful instruction, encouragement, advertisement, and  
7 distribution of guidelines can be seen on Defendants' websites, advertisements for the '096  
8 Infringing Products, as well as Defendants' own FAQ sheets, brochures, User Guides and  
9 Instruction Sheets for the '096 Infringing Products, which, among other things, instructs,  
10 and/or encourages combining the PEMF inductive devices to a brace or other therapeutic  
11 device and/or item which is thereafter placed by the instructions near the location of the  
12 injured area requiring the therapy.

13 154. Endonovo is informed and believes, and on that basis alleges, that Defendants,  
14 and each of them, have gained substantial profits and revenue, and subjected Endonovo to  
15 lost profits and revenue through loss of sales of its own products by virtue of their indirect  
16 infringing activities involving the '096 Patent.

17 155. Endonovo has been harmed and sustained damages as a direct and proximate  
18 result of Defendants' infringement of the '096 Patent. Endonovo is thus entitled to  
19 monetary compensation for Defendants' infringement in an amount to be determined to  
20 compensate for Endonovo's lost sales and profits and/or the profits and revenue gained by  
21 Defendants through their indirect infringing activities involving the '096 Patent.

22 156. Where Defendants have acted recklessly and continue to willfully, wantonly,  
23 and deliberately engage in acts of indirect infringement of the '096 Patent, an award for  
24 increased monetary damages pursuant to 35 United States Code, section 284, as well as  
25 attorneys' fees and costs pursuant to 35 United States Code, section 285, is justified.

26 157. Where such indirect infringement also threatens to damage Endonovo in ways  
27 that cannot be adequately compensated by monetary compensation alone, Endonovo also  
28 requests and is entitled to preliminary and/or permanent injunctive relief from Defendants'

1 ongoing infringing activities.

2 **PRAYER FOR RELIEF**

3 WHEREFORE, Endonovo prays for the following relief:

4 158. A judgment that Defendants, and each of them, have directly and/or indirectly  
5 infringed one or more of the claims of the '574 Patent;

6 159. A judgment that Defendants, and each of them, have directly and/or indirectly  
7 infringed one or more of the claims of the '490 Patent;

8 160. A judgment that Defendants, and each of them, have directly and/or indirectly  
9 infringed one or more of the claims of the '385 Patent;

10 161. A judgment that Defendants, and each of them, have directly and/or indirectly  
11 infringed one or more of the claims of the '096 Patent;

12 162. An order and judgment either preliminarily or permanently enjoining  
13 Defendants, and each of them, as well as Defendants' officers, agents, affiliates,  
14 employees, and/or any other persons acting or attempting to act in concert or participation  
15 with Defendants, from any further acts of infringement of the '574 Patent;

16 163. An order and judgment either preliminarily or permanently enjoining  
17 Defendants, and each of them, as well as Defendants' officers, agents, affiliates,  
18 employees, and/or any other persons acting or attempting to act in concert or participation  
19 with Defendants, from any further acts of infringement of the '490 Patent;

20 164. An order and judgment either preliminarily or permanently enjoining  
21 Defendants, and each of them, as well as Defendants' officers, agents, affiliates,  
22 employees, and/or any other persons acting or attempting to act in concert or participation  
23 with Defendants, from any further acts of infringement of the '385 Patent;

24 165. An order and judgment either preliminarily or permanently enjoining  
25 Defendants, and each of them, as well as Defendants' officers, agents, affiliates,  
26 employees, and/or any other persons acting or attempting to act in concert or participation  
27 with Defendants, from any further acts of infringement of the '096 Patent;

28 166. A judgment awarding Endonovo monetary damages adequate to compensate

1 Endonovo for Defendants’ infringement of the ‘574 Patent, including any and all pre-  
2 judgment and post-judgment interest at the maximum rate permitted by law;

3 167. A judgment awarding Endonovo monetary damages adequate to compensate  
4 Endonovo for Defendants’ infringement of the ‘490 Patent, including any and all pre-  
5 judgment and post-judgment interest at the maximum rate permitted by law;

6 168. A judgment awarding Endonovo monetary damages adequate to compensate  
7 Endonovo for Defendants’ infringement of the ‘385 Patent, including any and all pre-  
8 judgment and post-judgment interest at the maximum rate permitted by law;

9 169. A judgment awarding Endonovo monetary damages adequate to compensate  
10 Endonovo for Defendants’ infringement of the ‘096 Patent, including any and all pre-  
11 judgment and post-judgment interest at the maximum rate permitted by law;

12 170. A judgment that Defendants, and each of them, have willfully, wantonly  
13 and/or deliberately infringed the ‘574 Patent;

14 171. A judgment that Defendants, and each of them, have willfully, wantonly  
15 and/or deliberately infringed the ‘490 Patent;

16 172. A judgment that Defendants, and each of them, have willfully, wantonly  
17 and/or deliberately infringed the ‘385 Patent;

18 173. A judgment that Defendants, and each of them, have willfully, wantonly  
19 and/or deliberately infringed the ‘096 Patent;

20 174. A judgment awarding Endonovo increased damages pursuant to 35 United  
21 States Code section 284 to the extent that the Court finds this case exceptional with respect  
22 to Defendants’ infringement of the ‘574 Patent;

23 175. A judgment awarding Endonovo increased damages pursuant to 35 United  
24 States Code section 284 to the extent that the Court finds this case exceptional with respect  
25 to Defendants’ infringement of the ‘490 Patent;

26 176. A judgment awarding Endonovo increased damages pursuant to 35 United  
27 States Code section 284 to the extent that the Court finds this case exceptional with respect  
28 to Defendants’ infringement of the ‘385 Patent;

1 177. A judgment awarding Endonovo increased damages pursuant to 35 United  
2 States Code section 284 to the extent that the Court finds this case exceptional with respect  
3 to Defendants' infringement of the '096 Patent;

4 178. A judgment awarding Endonovo its reasonable attorneys' fees as provided for  
5 in 35 United States Code section 285 to the extent that the Court finds this case exceptional  
6 with respect to Defendants' infringement of the '574 Patent;

7 179. A judgment awarding Endonovo its reasonable attorneys' fees as provided for  
8 in 35 United States Code section 285 to the extent that the Court finds this case exceptional  
9 with respect to Defendants' infringement of the '490 Patent;

10 180. A judgment awarding Endonovo its reasonable attorneys' fees as provided for  
11 in 35 United States Code section 285 to the extent that the Court finds this case exceptional  
12 with respect to Defendants' infringement of the '385 Patent;

13 181. A judgment awarding Endonovo its reasonable attorneys' fees as provided for  
14 in 35 United States Code section 285 to the extent that the Court finds this case exceptional  
15 with respect to Defendants' infringement of the '096 Patent;

16 182. Any such further relief that this Court determines is proper and just.  
17

18 Respectfully Submitted,

19  
20 DATED: February 7, 2019

By: /s/ Roland J. Tong

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