

UNITED STATES DISTRICT COURT
FOR THE MIDDLE DISTRICT OF FLORIDA

DISTRIBUTION INTELLIGENCE
SYSTEMS, LLC,

Plaintiff,

v.

ORTHOPEDIC DESIGNS
NORTH AMERICA, INC.,

Defendant.

CASE NO.

JURY TRIAL DEMANDED

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Distribution Intelligence Systems, LLC (“Plaintiff” and/or “DIS”) files this complaint against Orthopedic Designs North America, Inc. (“Defendant” and/or “ODI”) for infringement of U.S. Patent No. 8,617,160 (“the ‘160 Patent”) and U.S. Patent No. 9,402,664 (“the ‘664 Patent”) and alleges as follows:

THE PARTIES

1. Plaintiff is a Wyoming company having its principal place of business in Cheyenne, Wyoming.
2. Upon information and belief, ODI is a company organized and existing under the laws of the State of Florida and has a place of business at 5912

Breckenridge Parkway, Suite F, Tampa, Florida 33610. On information and belief, ODI may be served through its registered agent in the State of Florida: Charles A. Masek, Jr., at 5912 Breckenridge Parkway, Suite F, Tampa, Florida 33610.

JURISDICTION AND VENUE

3. This action arises under the patent laws of the United States, 35 U.S.C. § 271 *et seq.* Plaintiff is seeking damages, as well as attorney fees and costs.
4. Jurisdiction is proper in this Court pursuant to 28 U.S.C. §§ 1331 (Federal Question) and 1338(a) (Patents).
5. On information and belief, this Court has personal jurisdiction over Defendant because Defendant has committed, and continues to commit, acts of infringement in this District, has conducted business in this District, and/or has engaged in continuous and systematic activities in this District.
6. On information and belief, Defendant's instrumentalities that are alleged herein to infringe were and continue to be used, imported, offered for sale, and/or sold in this District.
7. Venue is proper in this District under 28 U.S.C. §1400(b) because Defendant is deemed to be a resident in this District. Alternatively, acts of infringement are occurring in this District, and Defendant has a regular and established place of business in this District. *See* Figures 1 and 2 below.

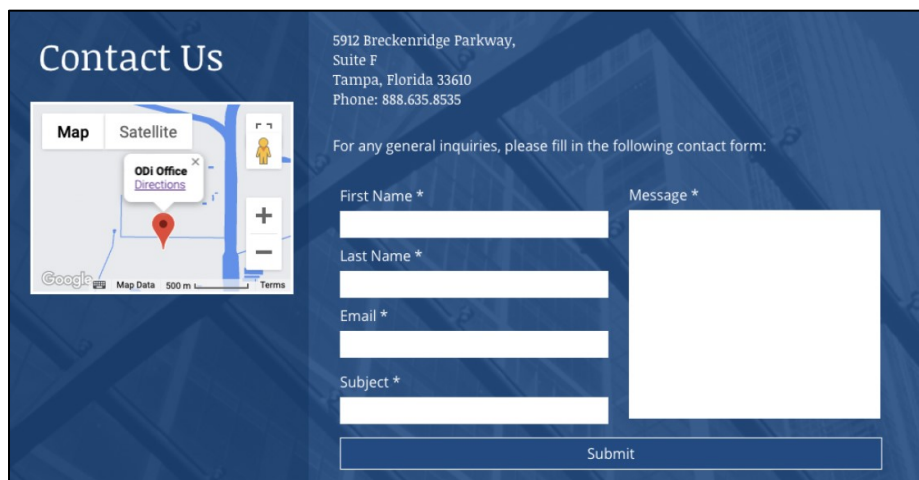


Figure 1

(Source: <https://www.odi-na.com>)

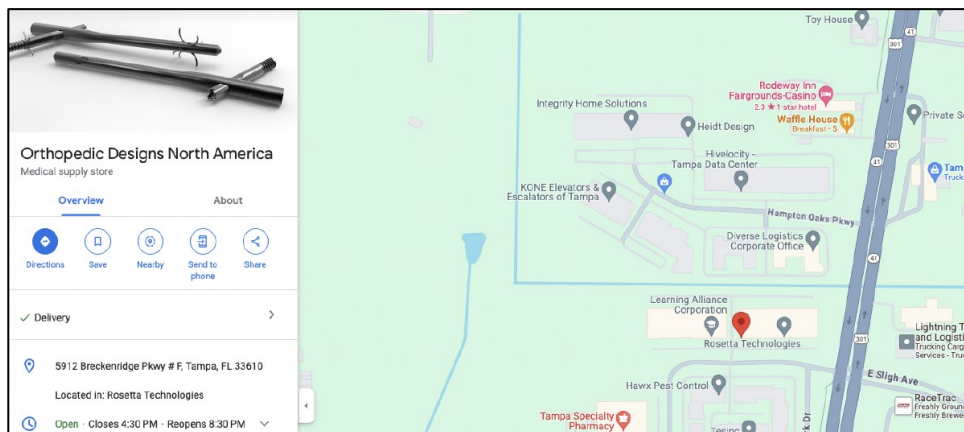


Figure 2

(Source: Google Maps)

PATENTS-IN-SUIT

8. Plaintiff is the sole and exclusive owner, by assignment, of the '160 Patent and the '664 Patent (hereinafter referred to as "the DIS Patents")
9. On December 31, 2013, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '160 Patent, entitled "Dynamic Intramedullary Hardware." The '160 Patent is attached as Exhibit A.

10. On August 2, 2026, the United States Patent and Trademark Office (“USPTO”) duly and legally issued the ‘664 Patent, entitled “Dynamic Intramedullary Hardware.” The ‘664 Patent is attached as Exhibit B.
11. Plaintiff is the sole and exclusive owner, by assignment, of the DIS Patents.
12. Plaintiff possesses all rights of recovery under the DIS Patents, including the exclusive right to recover for past, present and future infringement.
13. The ‘160 Patent contains twenty claims including three independent claims (claims 1, 17 and 19) and seventeen dependent claims.
14. The ‘664 Patent contains nineteen claims including three independent claims (claims 1, 14 and 16) and sixteen dependent claims.
15. The priority date of the DIS Patents is at least as early as March 9, 2010. As of the priority date, the inventions as claimed were novel, non-obvious, unconventional, and non-routine.
16. Plaintiff alleges infringement on the part of Defendant of the DIS Patents.
17. The DIS Patents teach an intramedullary nail comprising an outer tubular sheath, a flexible rod and a driver element mobile within the sheath longitudinally with an engagement element formed out of the wall of the tubular sheath. After the nail has been inserted, distal end first, into the intramedullary cavity, the flexible rod is pulled, thereby engendering the driver element to advance the engagement element into the cortical bone,

thus keeping the intramedullary nail in position within the intramedullary cavity. *See* '160 Patent, Abstract.

18. The claims of the DIS Patents overcome deficiencies existing in the art as of the date of invention. For example, the inventive system solves the difficulty of the labor and time intensive process of securing an intramedullary nail within the intramedullary cavity of a bone by external screwing and drilling. The inventive system engenders an anchoring mechanism located within the intramedullary nail to engage the cortical bone. In this way, the labor and time requirements related to securing an intramedullary nail within the intramedullary cavity are substantially reduced. Additionally, the inventive system achieves the advantage of reduced radiological exposure to patients and medical personnel, and reduced scarring for the patient. Use of the inventive system is not limited to fractures of the length of the long bone, but could also be used in fractures of the ball from the rest of the long bone or for smaller bones. *Id.*, 2:21-34.
19. The '160 Patent was examined by Primary United States Patent Examiner Pedro Philogene. During the examination of the '160 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: 606/62-68; 304, 313, 323, 326 and 327.

20. After conducting a search for prior art during the examination of the '160 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the search: US 4,204,531; US 4,227,518; US 4,237,875; US 4,275,717; US 4,453,539; US 4,519,100; US 4,721,103; US 4,854,312; US 4,862,883; US 5,057,103; US 5,578,035; US 6,077,265; US 6,443,954; US 6,447,513; US 6,524,313; US 6,558,388; US 6,575,973; US 6,736,818; US 6,780,185; US 7,029,476; US 7,097,648; US 7,601,152 and US 7,846,162.
21. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '160 Patent to issue. In so doing, it is presumed that Examiner Philogene used his knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Philogene had experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002). In view of the foregoing, the claims of the '160 Patent are novel and non-obvious, including over all non-cited art which is merely cumulative with the referenced and cited prior art. Likewise, the claims of

the '160 Patent are novel and non-obvious, including over all non-cited contemporaneous state of the art systems and methods, all of which would have been known to a person of ordinary skill in the art, and which were therefore presumptively also known and considered by Examiner Philogene.

22. The claims of the '160 Patent were all properly issued, and are valid and enforceable for the respective terms of their statutory life through expiration, and are enforceable for purposes of seeking damages for past infringement even post-expiration. *See, e.g., Genetics Institute, LLC v. Novartis Vaccines and Diagnostics, Inc.*, 655 F.3d 1291, 1299 (Fed. Cir. 2011) (“[A]n expired patent is not viewed as having ‘never existed.’ Much to the contrary, a patent does have value beyond its expiration date. For example, an expired patent may form the basis of an action for past damages subject to the six-year limitation under 35 U.S.C. § 286”) (internal citations omitted).
23. The nominal expiration date for the claims of the '160 Patent is no earlier than April 18, 2031.
24. The '664 Patent was examined by Primary United States Patent Examiner Pedro Philogene. During the examination of the '664 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: A61B 17/7266 (2013.01).

25. After conducting a search for prior art during the examination of the '664 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the search: US 3,779,239; US 3,986,504; US 4,204,531; US 4,227,518; US 4,237,875; US 4,275,717; US 4,453,539; US 4,519,100; US 4,721,103; US 4,854,312; US 4,862,883; US 5,057,103; US 5,578,035; US 6,077,265; US 6,443,954; US 6,447,513; US 6,524,313; US 6,558,388; US 6,575,973; US 6,736,818; US 6,780,185; US 7,029,476; US 7,097,648; US 7,601,152; and US 7,846,162.
26. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '664 Patent to issue. In so doing, it is presumed that Examiner Philogene used his knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Philogene had experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002). In view of the foregoing, the claims of the '664 Patent are novel and non-obvious, including over all non-cited art which is merely cumulative with the referenced and cited prior art. Likewise, the claims of

the '664 Patent are novel and non-obvious, including over all non-cited contemporaneous state of the art systems and methods, all of which would have been known to a person of ordinary skill in the art, and which were therefore presumptively also known and considered by Examiner Philogene.

27. The claims of the '664 Patent were all properly issued, and are valid and enforceable for the respective terms of their statutory life through expiration, and are enforceable for purposes of seeking damages for past infringement even post-expiration. *See, e.g., Genetics Institute, LLC v. Novartis Vaccines and Diagnostics, Inc.*, 655 F.3d 1291, 1299 (Fed. Cir. 2011) (“[A]n expired patent is not viewed as having ‘never existed.’ Much to the contrary, a patent does have value beyond its expiration date. For example, an expired patent may form the basis of an action for past damages subject to the six-year limitation under 35 U.S.C. § 286”) (internal citations omitted).
28. The nominal expiration date for the claims of the '664 Patent is no earlier than March 8, 2031.

ACCUSED INSTRUMENTALITIES

29. On information and belief, Defendant sells, advertises, offers for sale, uses, or otherwise provides exemplary products, including at least the lag Talon Screw, which is used with the Talon DistalFix Proximal Femoral Nail for

treating hip fractures (devices for implantation into osseous material to facilitate healing). The foregoing are referred to as the “Accused Instrumentalities.”

COUNT I
(Infringement of United States Patent No. 8,617,160)

30. Plaintiff refers to and incorporates the allegations in Paragraphs 1 - 29, the same as if set forth herein.
31. This cause of action arises under the patent laws of the United States and, in particular under 35 U.S.C. §§ 271, *et seq.*
32. Defendant has knowledge of its infringement of the '160 Patent, at least as of the service of the present complaint.
33. The '160 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.
34. Upon information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 1, of the '160 Patent by manufacturing, using, importing, selling, offering for sale, and/or providing (as identified in the Claim Chart attached hereto as Exhibit C) the Accused Instrumentalities which infringe at least Claim 1 of the '160 Patent. Defendant has infringed and continues to infringe the '160 patent either directly or through acts of contributory infringement or inducement in violation of 35 U.S.C. § 271.

35. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, one or more claims, including at least Claim 1, of the '160 Patent, by having its employees internally test and use these exemplary Accused Instrumentalities.
36. The service of this Complaint, in conjunction with the attached claim chart and references cited, constitutes actual knowledge of infringement as alleged here.
37. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe one or more claims, including at least Claim 1, of the '160 Patent. On information and belief, Defendant has also continued to sell the exemplary Accused Instrumentalities and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes one or more claims, including at least Claim 1, of the '160 Patent. *See* Exhibit C (extensively referencing these materials to demonstrate how they direct end users to commit patent infringement).
38. At least since being served by this Complaint and corresponding claim chart, Defendant has actively, knowingly, and intentionally continued to induce infringement of the '160 Patent, literally or by the doctrine of

equivalents, by selling exemplary Accused Instrumentalities to their customers for use in end-user products in a manner that infringes one or more claims, including at least Claim 1, of the '160 Patent.

39. Exhibit C includes at least one chart comparing the exemplary claim 1 of the '160 Patent to Defendant's exemplary Accused Instrumentalities. As set forth in this chart, the Defendant's exemplary Accused Instrumentalities practice the technology claimed by the '160 Patent. Accordingly, the Defendant's exemplary Accused Instrumentalities incorporated in this chart satisfy all elements of the exemplary claim 1 of the '160 Patent.
40. Plaintiff therefore incorporates by reference in its allegations herein the claim chart of Exhibit C.
41. Plaintiff is entitled to recover damages adequate to compensate for Defendant's infringement.
42. Defendant's actions complained of herein will continue unless Defendant is enjoined by this court.
43. Defendant's actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendant is enjoined and restrained by this Court.
44. Plaintiff is in compliance with 35 U.S.C. § 287.

COUNT II
(Infringement of United States Patent No. 9,402,664)

45. Plaintiff refers to and incorporates the allegations in Paragraphs 1 – 44, the same as if set forth herein.
46. This cause of action arises under the patent laws of the United States and, in particular under 35 U.S.C. §§ 271, *et seq.*
47. Defendant has knowledge of its infringement of the '664 Patent, at least as of the service of the present complaint.
48. The '664 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.
49. Upon information and belief, Defendant has infringed and continues to infringe one or more claims, including at least Claim 1, of the '664 Patent by manufacturing, using, importing, selling, offering for sale, and/or providing (as identified in the Claim Chart attached hereto as Exhibit D) the Accused Instrumentalities which infringe at least Claim 1 of the '664 Patent. Defendant has infringed and continues to infringe the '664 patent either directly or through acts of contributory infringement or inducement in violation of 35 U.S.C. § 271.
50. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, one or more claims, including at least Claim 1, of

the '664 Patent, by having its employees internally test and use these exemplary Accused Instrumentalities.

51. The service of this Complaint, in conjunction with the attached claim chart and references cited, constitutes actual knowledge of infringement as alleged here.
52. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe one or more claims, including at least Claim 1, of the '664 Patent. On information and belief, Defendant has also continued to sell the exemplary Accused Instrumentalities and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes one or more claims, including at least Claim 1, of the '664 Patent. *See* Exhibit D (extensively referencing these materials to demonstrate how they direct end users to commit patent infringement).
53. At least since being served by this Complaint and corresponding claim chart, Defendant has actively, knowingly, and intentionally continued to induce infringement of the '664 Patent, literally or by the doctrine of equivalents, by selling exemplary Accused Instrumentalities to their

customers for use in end-user products in a manner that infringes one or more claims, including at least Claim 1, of the '664 Patent.

54. Exhibit D includes at least one chart comparing the exemplary claim 1 of the '664 Patent to Defendant's exemplary Accused Instrumentalities. As set forth in this chart, the Defendant's exemplary Accused Instrumentalities practice the technology claimed by the '664 Patent. Accordingly, the Defendant's exemplary Accused Instrumentalities incorporated in this chart satisfy all elements of the exemplary claim 1 of the '664 Patent.
 55. Plaintiff therefore incorporates by reference in its allegations herein the claim chart of Exhibit D.
 56. Plaintiff is entitled to recover damages adequate to compensate for Defendant's infringement.
 57. Defendant's actions complained of herein will continue unless Defendant is enjoined by this court.
 58. Defendant's actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendant is enjoined and restrained by this Court.
- Plaintiff is in compliance with 35 U.S.C. § 287.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff respectfully asks the Court to:

1. Enter judgment for Plaintiff on this Complaint on all cases of action asserted herein;
2. Enter an Order enjoining Defendant, its agents, officers, servants, employees, attorneys, and all persons in active concert or participation with Defendant who receives notice of the order from further infringement of the DIS Patents (or, in the alternative, awarding Plaintiff running royalty from the time judgment going forward);
3. Award Plaintiff damages resulting from Defendant's infringement in accordance with 35 U.S.C. § 284; and
4. Award Plaintiff such further relief to which the Court finds Plaintiff entitled under law or equity.

DEMAND FOR JURY TRIAL

Plaintiff, under Rule 38 of the Federal Rules of Civil Procedure, requests a trial by jury of any issues so triable by right.

Dated: January 26, 2024

Respectfully Submitted,

/s/Barbra A. Stern

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