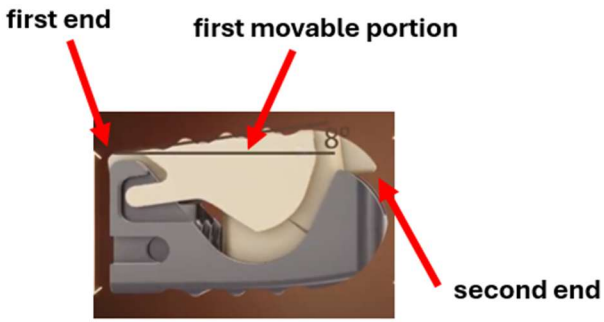
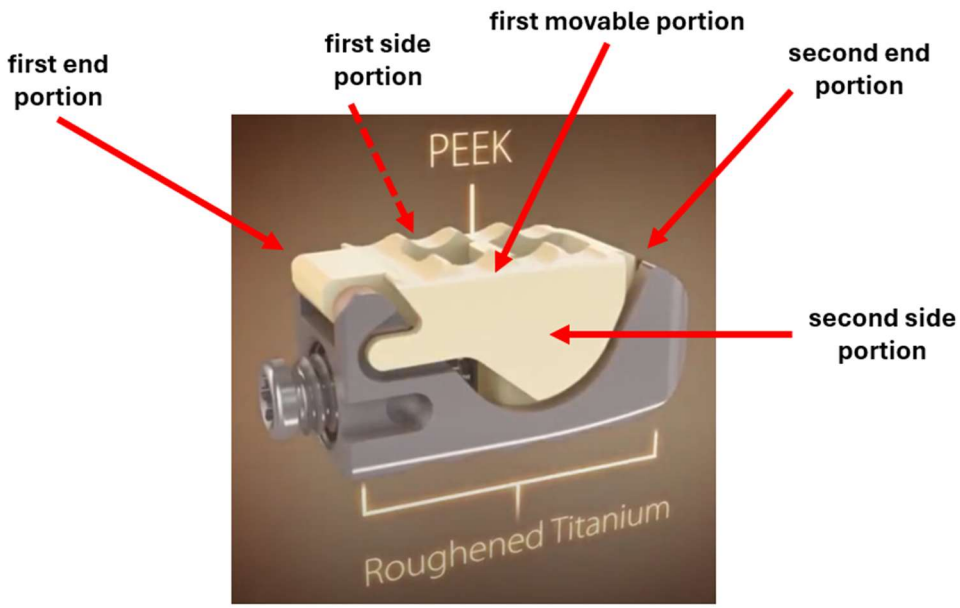
Exhibit F1

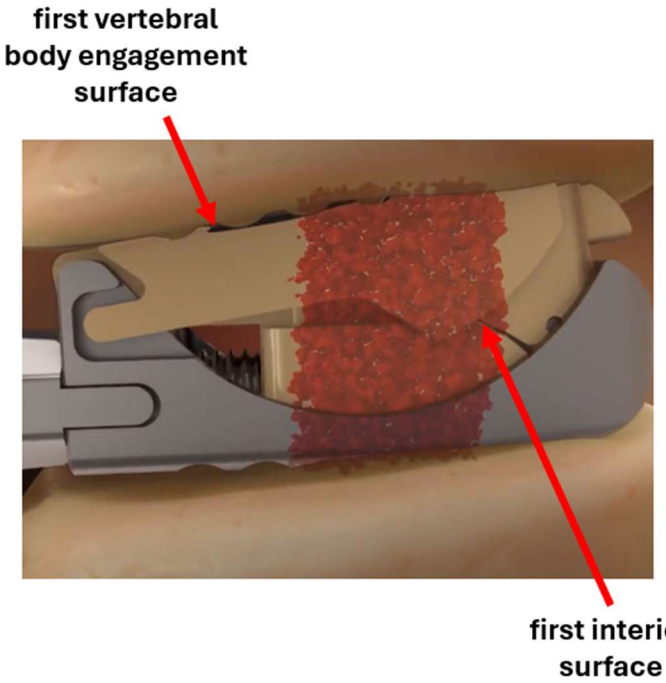
MEDTRONIC EXHIBIT 1076
Medtronic, Inc. v. Moskowitz Family LLC
IPR2026-00217

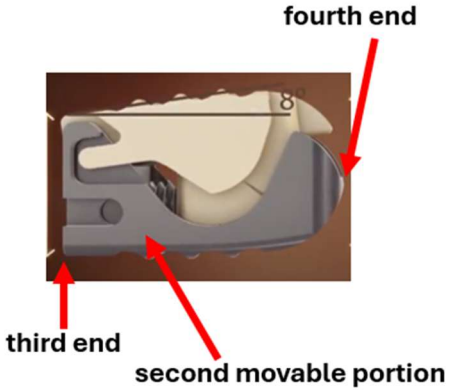
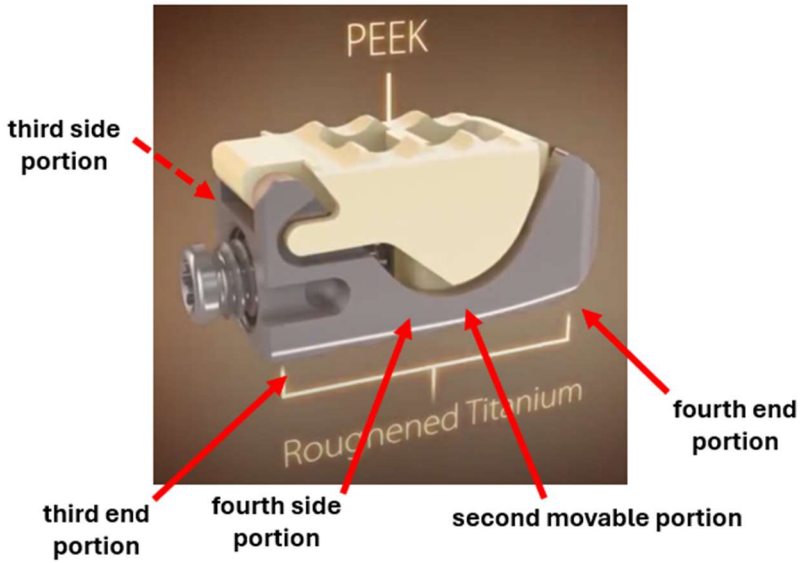
EXHIBIT F1 - U.S. PATENT 10,426,633
Infringement Claim Chart

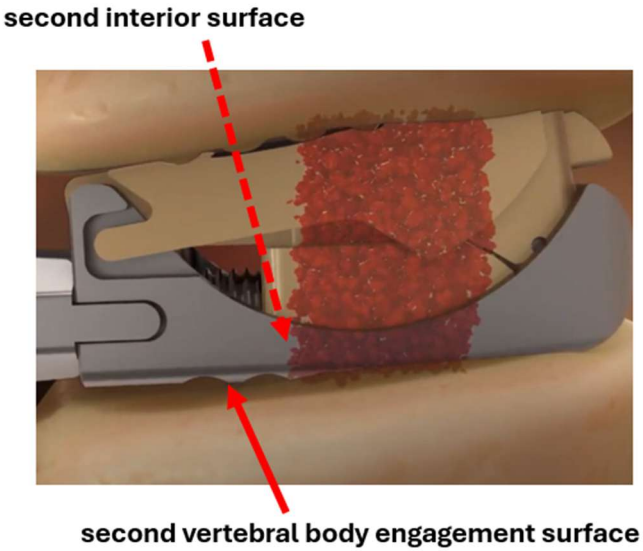
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
Row	**Claim 1**	
1A	An expandable intervertebral fusion device comprising: a first movable portion extending from a first end to a second end, wherein the first movable portion has first and second end portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions,	To the extent the preamble is limiting, the '633A Accused Instrumentalities include an expandable intervertebral fusion device. The '633A Accused Instrumentalities include a first movable portion extending from a first end to a second end, wherein the first movable portion has first and second end portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions. 

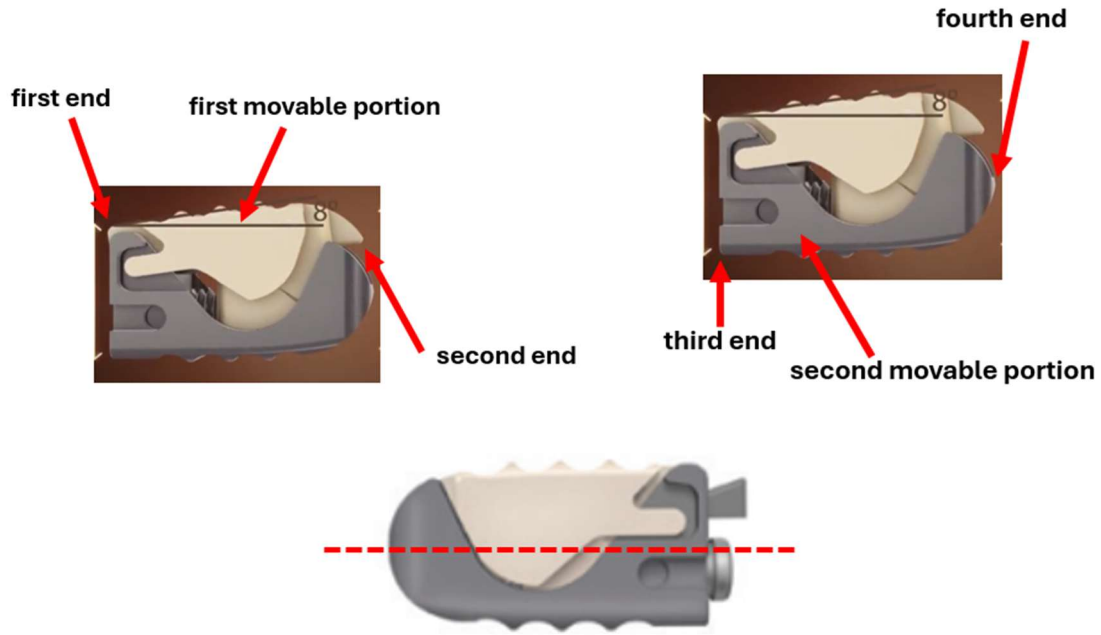
[1] These allegations are exemplary and Moskowitz Family LLC reserves the right to supplement them as the case progresses.
[2] Moskowitz's infringement claim charts identify portions or components—such as first, second, and third guides and first, second, and third screws—based on images and other information from publicly available materials relating to the Accused Instrumentalities. In certain Accused Instrumentalities, multiple portions or components, including multiple guides and/or screws, may satisfy one or more of the asserted claim limitations and may therefore be interchangeable with one another. Accordingly, the identification of any particular portion or component in these claim charts is exemplary and is not intended to exclude other product portions or components that meet the same claim requirements.

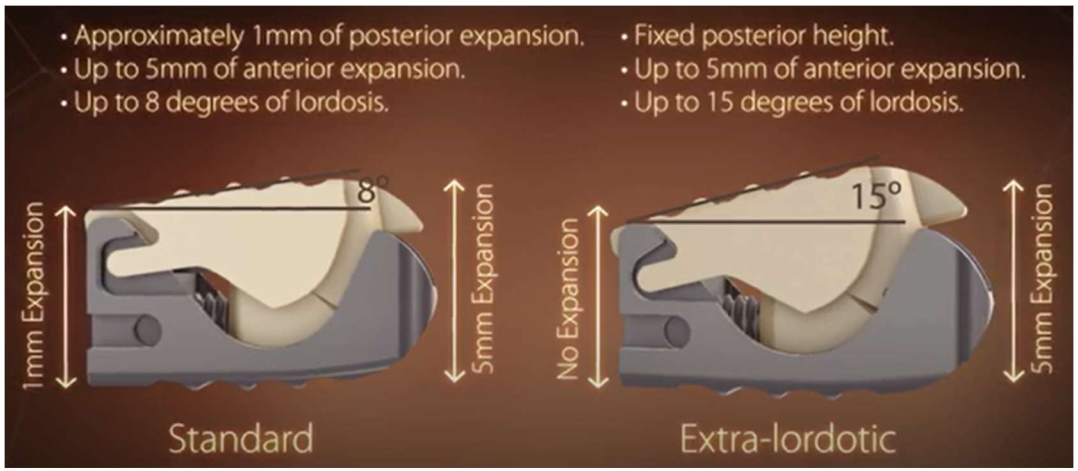
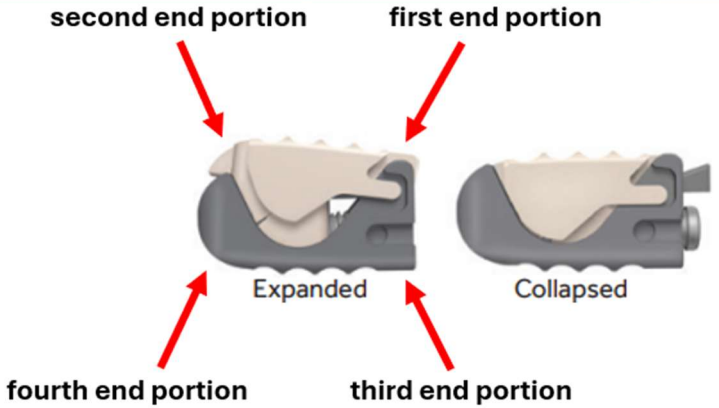
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1B	wherein the first movable portion has a first vertebral body engagement surface and has a first interior surface positioned on an opposite side	The first movable portion has a first vertebral body engagement surface and has a first interior surface positioned on an opposite side of the first movable portion than the first vertebral body engagement surface.

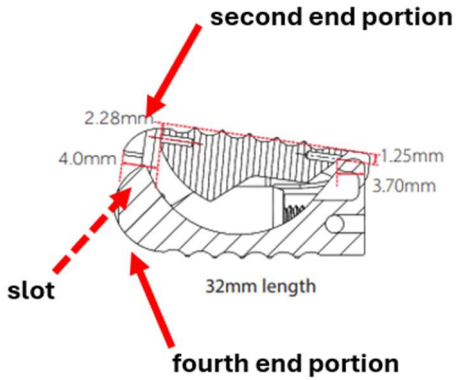
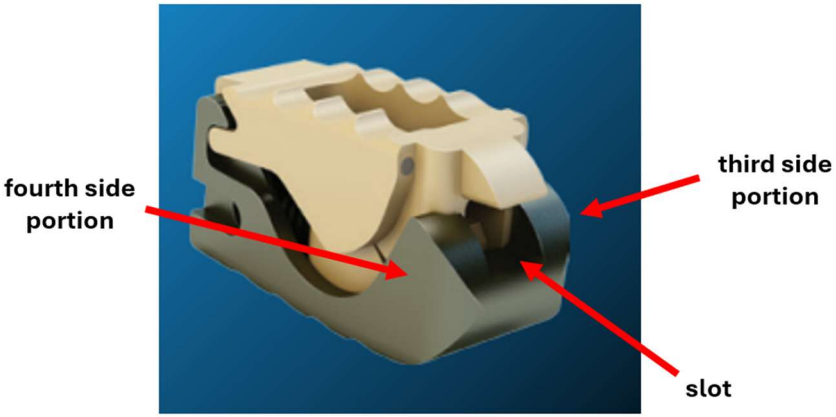
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	of the first movable portion than the first vertebral body engagement surface;	For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Teeth on the surface to reduce the likelihood of expulsion."  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
1C	a second movable portion extending from a third end to a fourth end, wherein the second movable portion has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side portions extending between the third and fourth end portions,	The ’633A Accused Instrumentalities include a second movable portion extending from a third end to a fourth end, wherein the second movable portion has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side portions extending between the third and fourth end portions.   Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf
1D	wherein the second movable portion has a second vertebral body engagement surface and	The second movable portion has a second vertebral body engagement surface and has a second interior surface positioned on an opposite side of the second movable portion than the second vertebral body engagement surface.

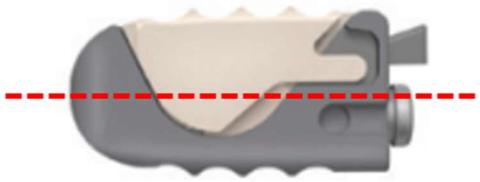
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	has a second interior surface positioned on an opposite side of the second movable portion than the second vertebral body engagement surface,	 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf
1E	wherein the first movable portion is aligned with the second movable portion such that the first end of the first movable portion is axially aligned with the third end of the	The first movable portion is aligned with the second movable portion such that the first end of the first movable portion is axially aligned with the third end of the second movable portion and the second end of the first movable portion is axially aligned with the fourth end of the second movable portion.

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	second movable portion and the second end of the first movable portion is axially aligned with the fourth end of the second movable portion,	 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1F	wherein the first end portion of the first movable portion is hingedly connected to the third end portion of the second	The first end portion of the first movable portion is hingedly connected to the third end portion of the second movable portion such that the first movable portion can pivot with respect to the second movable portion so as to move the second end portion of the first movable portion away from the fourth end portion of the second movable portion.

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	movable portion such that the first movable portion can pivot with respect to the second movable portion so as to move the second end portion of the first movable portion away from the fourth end portion of the second movable portion,	For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion."  

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Rows 1A and 1C. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1G	wherein the second movable portion defines a slot in the fourth end portion between the third and fourth side portions that is sized to receive the second end portion of the first movable portion such that the second end of the first movable portion and the fourth end of the second movable portion are axially aligned; and	The second movable portion defines a slot in the fourth end portion between the third and fourth side portions that is sized to receive the second end portion of the first movable portion such that the second end of the first movable portion and the fourth end of the second movable portion are axially aligned. For example, Medtronic promotional material states that the "PEEK nose is fully recessed within the Titanium Alloy bottom" in the collapsed position.  

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]



Note
Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom.

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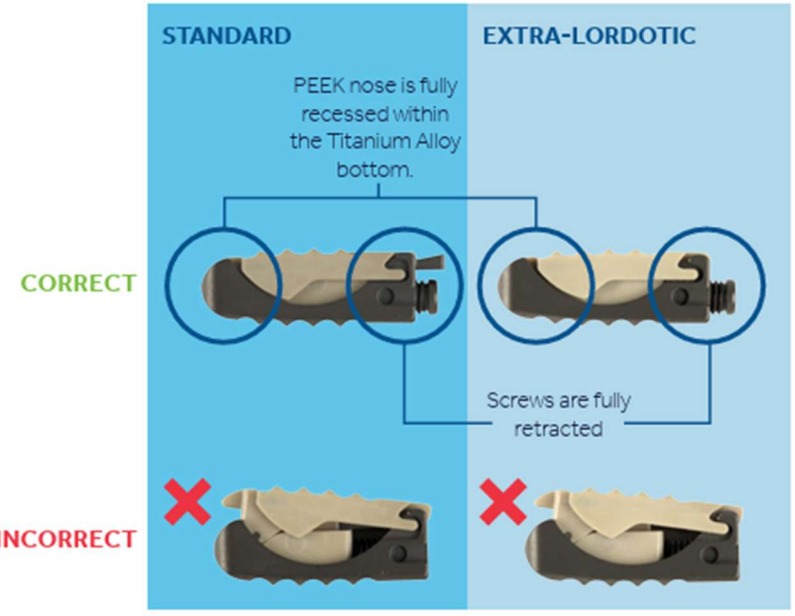
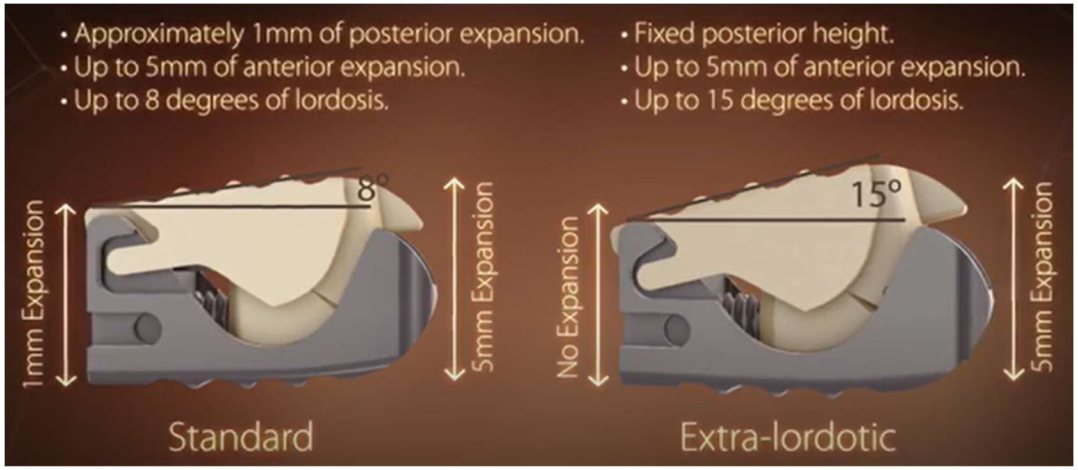
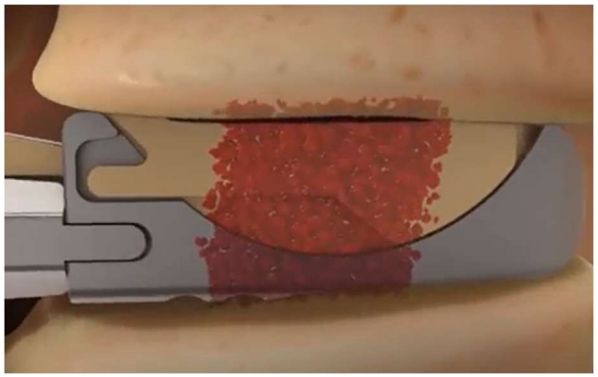
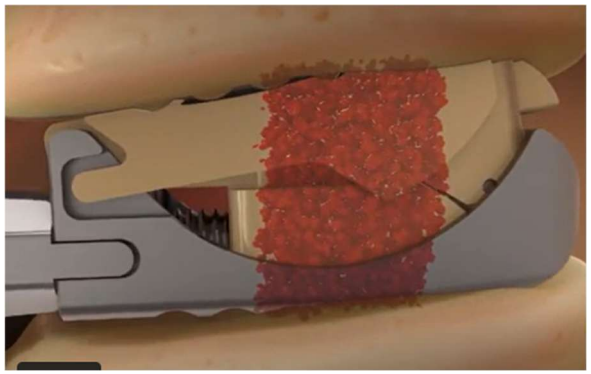
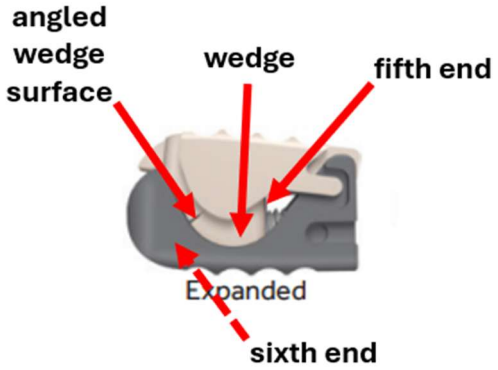
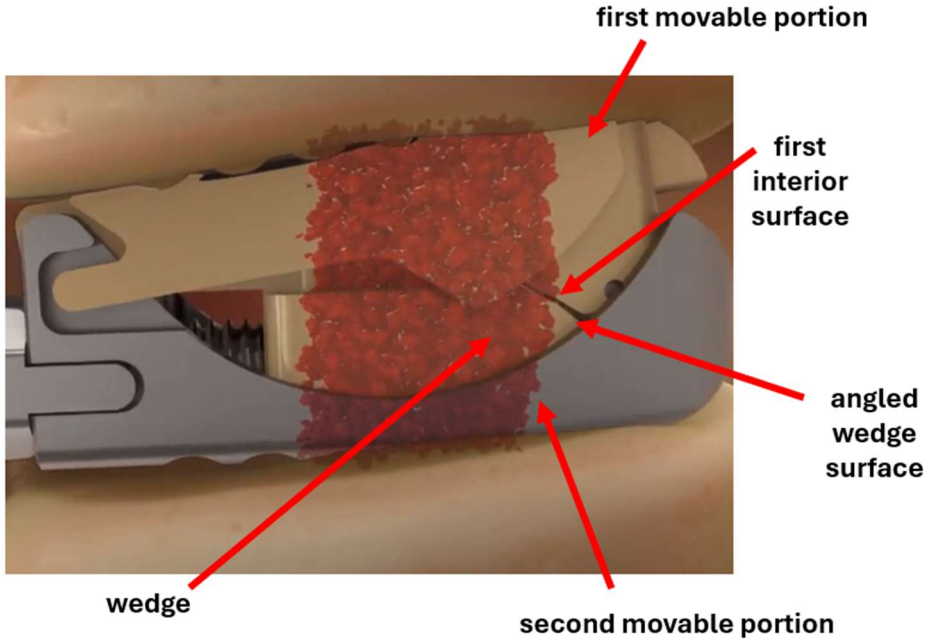


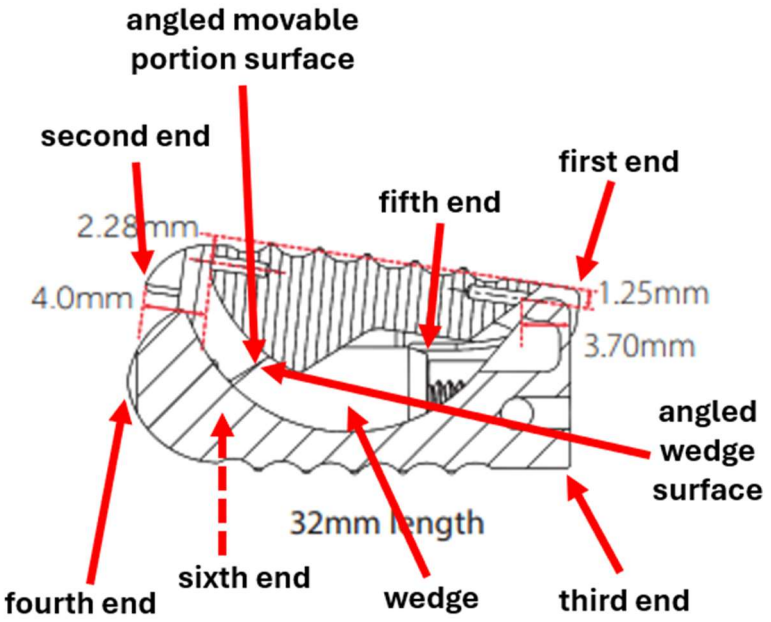
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Rows 1A, 1C, and 1E. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1H	a mechanism that pivotably moves the first movable portion and the second movable portion with respect to each other to expand a dimension of the expandable intervertebral fusion device, wherein the mechanism comprises:	The ’633A Accused Instrumentalities include a mechanism that pivotably moves the first movable portion and the second movable portion with respect to each other to expand a dimension of the expandable intervertebral fusion device. The mechanism includes the features described in Rows 1I-1M, below. For example, a Medtronic promotional video states that the Elevate Spinal System has “Up to 5mm of anterior expansion.”

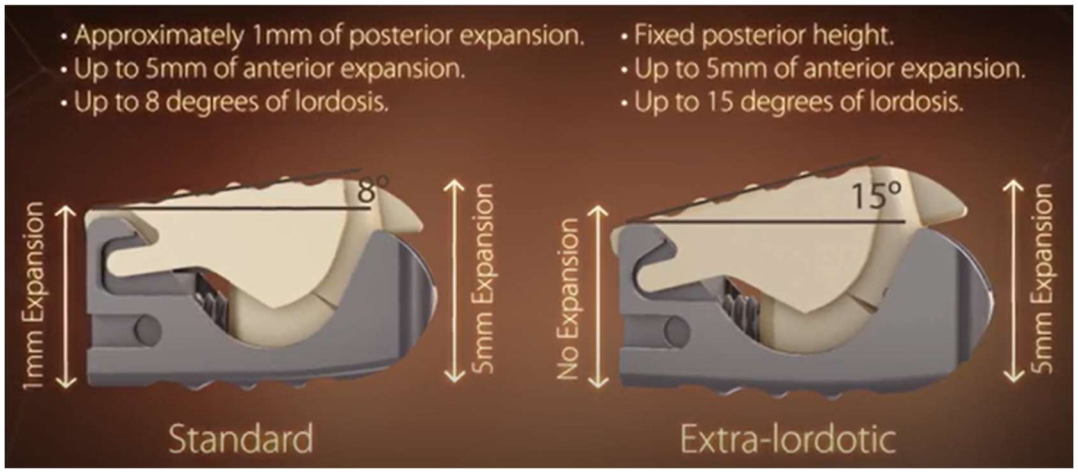
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		

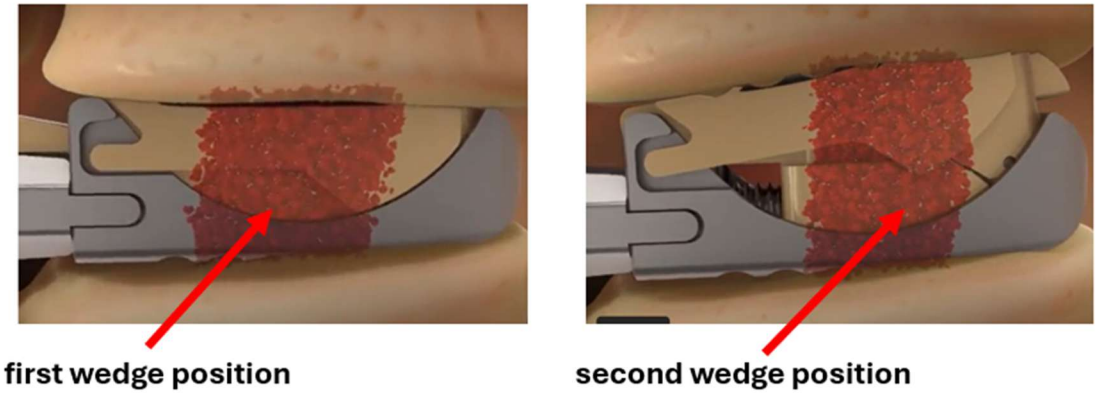
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1I	a wedge extending from a fifth end to a sixth end and having an angled wedge surface extending along at least a portion of a distance between the fifth end and the sixth end,	The ’633A Accused Instrumentalities include a wedge extending from a fifth end to a sixth end and having an angled wedge surface extending along at least a portion of a distance between the fifth end and the sixth end.

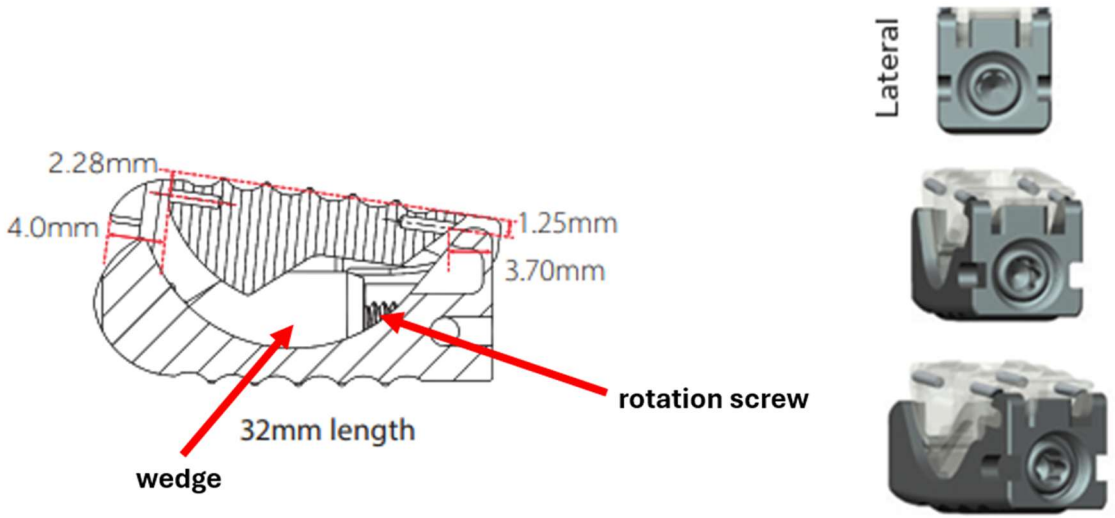
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1J	wherein the wedge is positioned between the first movable portion and the second movable portion with the angled wedge surface facing the first interior surface of the first movable portion,	The wedge is positioned between the first movable portion and the second movable portion with the angled wedge surface facing the first interior surface of the first movable portion.

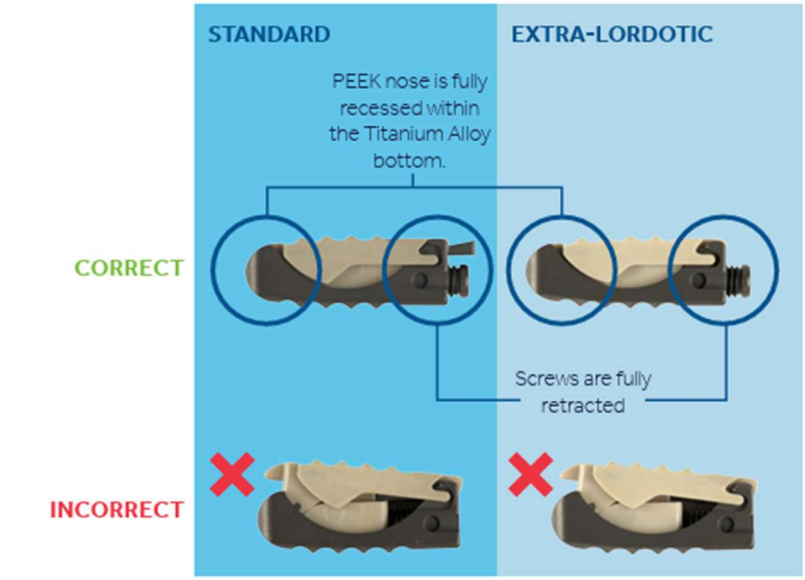
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1K	wherein the first interior surface of the first movable portion has an angled movable portion surface shaped to engage the angled wedge surface of the	The first interior surface of the first movable portion has an angled movable portion surface shaped to engage the angled wedge surface of the wedge, wherein the distance from the fifth end to the sixth end of the wedge that is less than a distance from the first end to the second end of the first movable portion and is less than a distance from the third end to the fourth end of the second movable portion.

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	wedge, wherein a distance from the fifth end to the sixth end of the wedge is less than a distance from the first end to the second end of the first movable portion and is less than a distance from the third end to the fourth end of the second movable portion,	 *See also* Rows 1A-1C, 1I. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
1L	wherein the wedge is configured to slide within a	The wedge is configured to slide within a space defined between the first and second movable portions in a direction toward the second and fourth ends of the first and second movable

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	space defined between the first and second movable portions in a direction toward the second and fourth ends of the first and second movable portions from a first wedge position that allows the first and second movable portions to pivot to a device position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the first movable portion to hingedly open the first movable portion with respect to the second movable portion whereby the wedge remains axially confined within the space defined by the first and second movable portions in the first and second wedge positions; and	portions from a first wedge position that allows the first and second movable portions to pivot to a device position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the first movable portion to hingedly open the first movable portion with respect to the second movable portion whereby the wedge remains axially confined within the space defined by the first and second movable portions in the first and second wedge positions. For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion." 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		   *See also* Rows 1A-1C, 1F, 1J-1K. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
1M	a rotation screw operably connected to the wedge and to the second movable portion, wherein rotation of the rotation screw moves the wedge in an axially translating direction with respect to the first movable portion and the second movable portion within the space defined between the first and second movable portions from the first wedge position to the second wedge position.	The ’633A Accused Instrumentalities include a rotation screw operably connected to the wedge and to the second movable portion, wherein rotation of the rotation screw moves the wedge in an axially translating direction with respect to the first movable portion and the second movable portion within the space defined between the first and second movable portions from the first wedge position to the second wedge position. For example, Medtronic promotional material instructs users to “Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom” during insertion. This material further states “In order to expand the implant inside the disc space, insert the Inserter Drive Shaft along with the attached Torque Handle inside the Inserter Assembly (Figure 6). Next, turn the Torque Handle clockwise to expand the implant (Figure 7).” 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Note Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom. ment. tip of the 

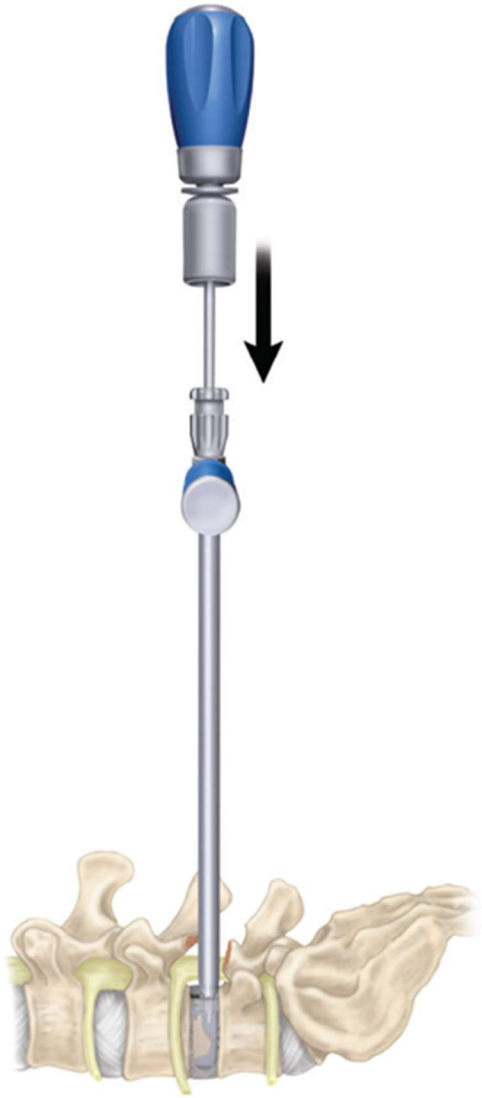


Figure 6

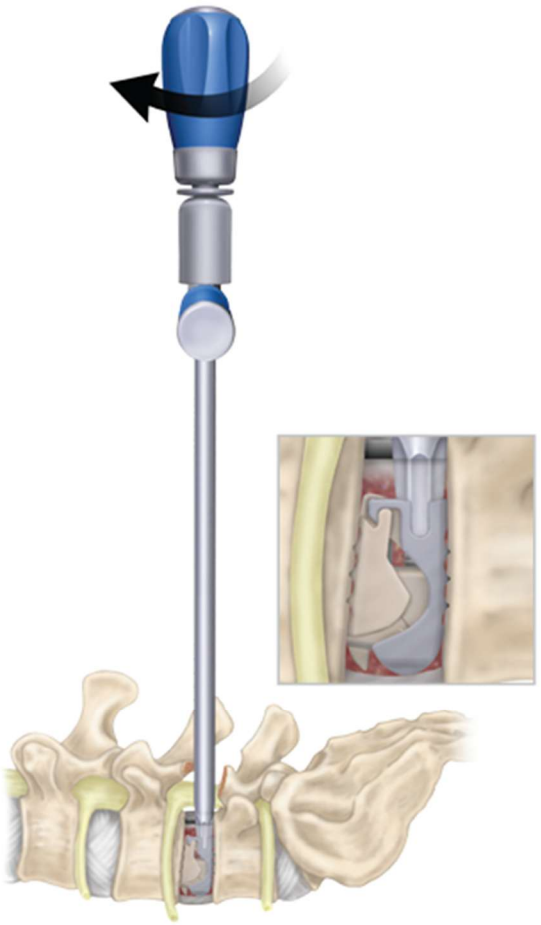
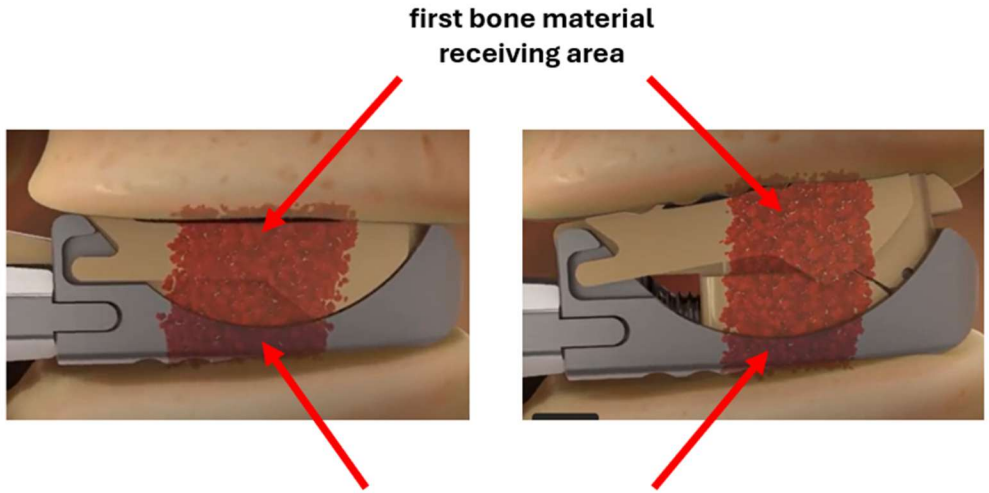
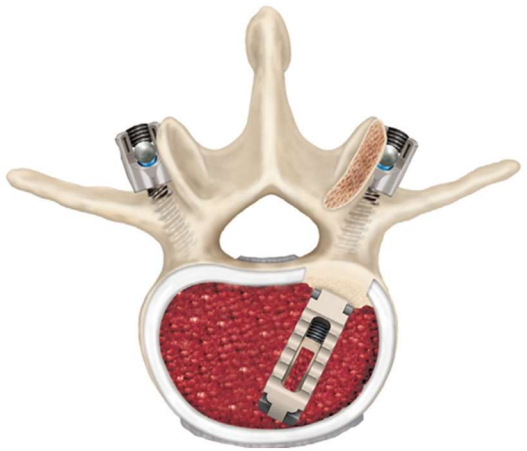
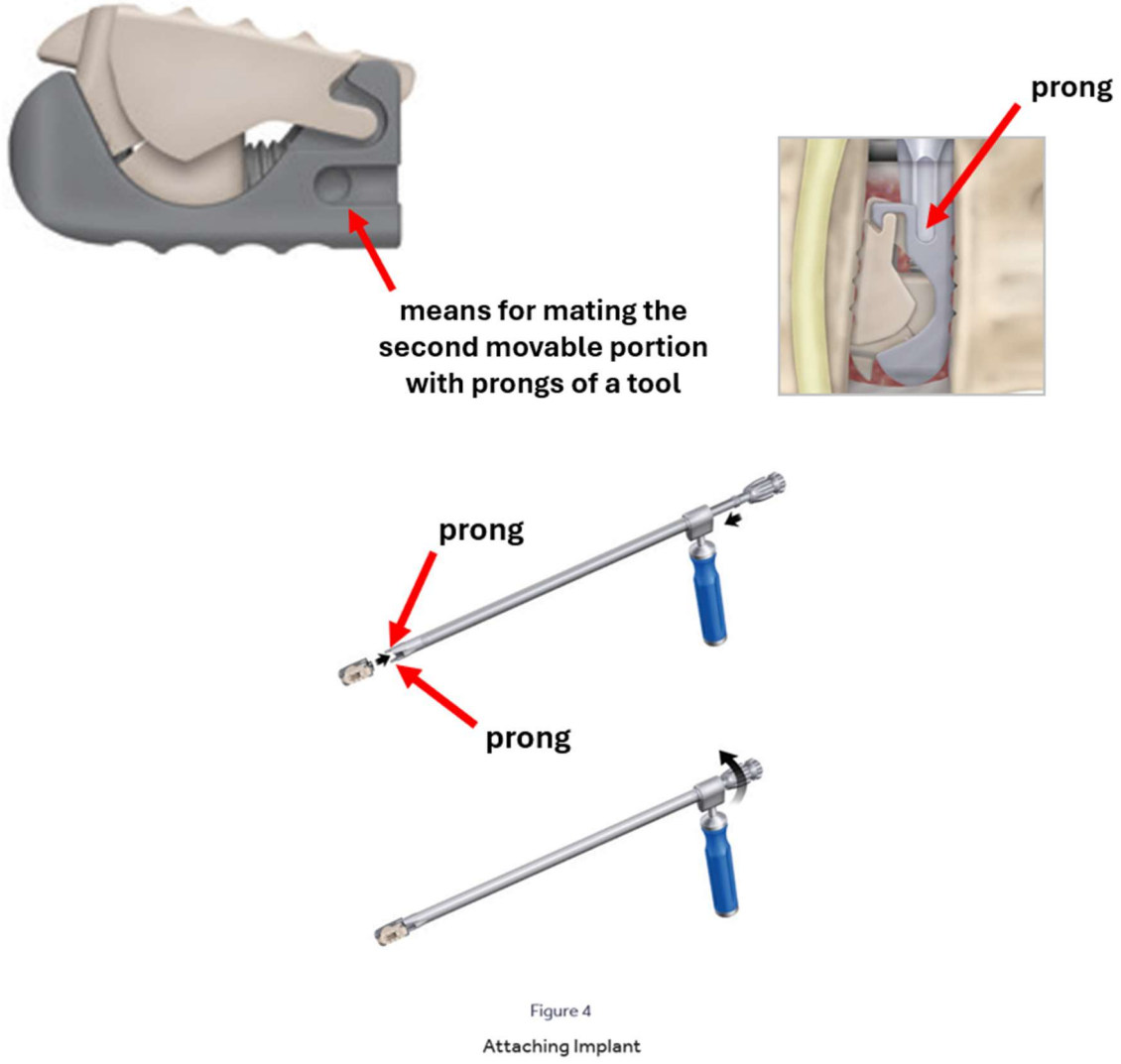


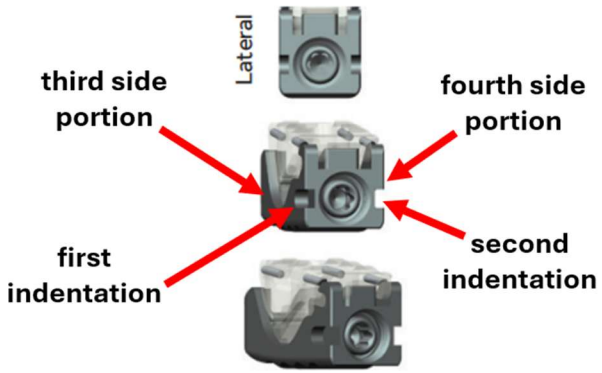
Figure 7

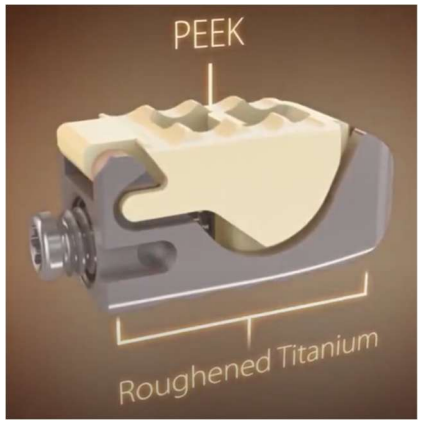
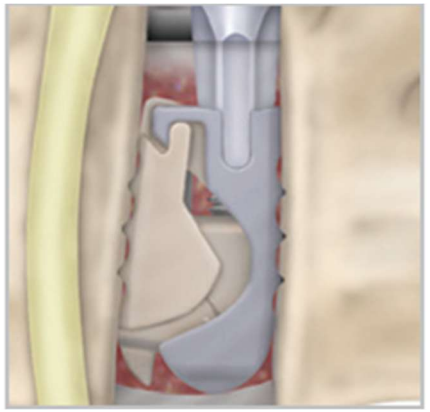
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Row 1L. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 2**	
2	The device of claim 1, wherein the first movable portion defines a first bone material receiving area between the first and second end portions and the first and second side portions, wherein the second movable portion defines a second bone material receiving area between the third and fourth end portions and the third and fourth side portions, and wherein the first bone material receiving area is aligned with the second bone material receiving area and sized such that a path between the first and second bone	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above. The first movable portion defines a first bone material receiving area between the first and second end portions and the first and second side portions, wherein the second movable portion defines a second bone material receiving area between the third and fourth end portions and the third and fourth side portions, and wherein the first bone material receiving area is aligned with the second bone material receiving area and sized such that a path between the first and second bone material receiving areas is only partially blocked by the wedge. For example, Medtronic promotional material describes the Elevate™ Spinal System as having “essential features” including “Continuous apposition of bone-graft-to-endplate during expansion” and an “Open volume design for appropriate bone graft material.” This material further states “This expandable interbody device is intended to be used with autograft and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone. In addition to filling the implant, the disc space may be filled with appropriate bone grafting material” and “The hollow geometry of the implants allows them to be packed with autogenous and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone.”

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	material receiving areas is only partially blocked by the wedge.	 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Claim 1, Rows 1A and 1C. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 4**	
4	The device of claim 1, and further comprising means for mating the second movable portion with prongs of a tool.	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above. The ’633A Accused Instrumentalities include means for mating the second movable portion with prongs of a tool. For example, Medtronic promotional material for the Elevate™ Spinal System instructs the user to “Thread the Inner Locking Tube into the Inserter in order to assemble the Inserter Assembly (Figure 3). Next attach the implant to the Inserter by turning the Inner Locking Tube clockwise (Figure 4). It is recommended that the implant be attached to the Inserter so the PEEK portion of the implant with x-ray markers is superior during the insertion.”

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 4 Attaching Implant

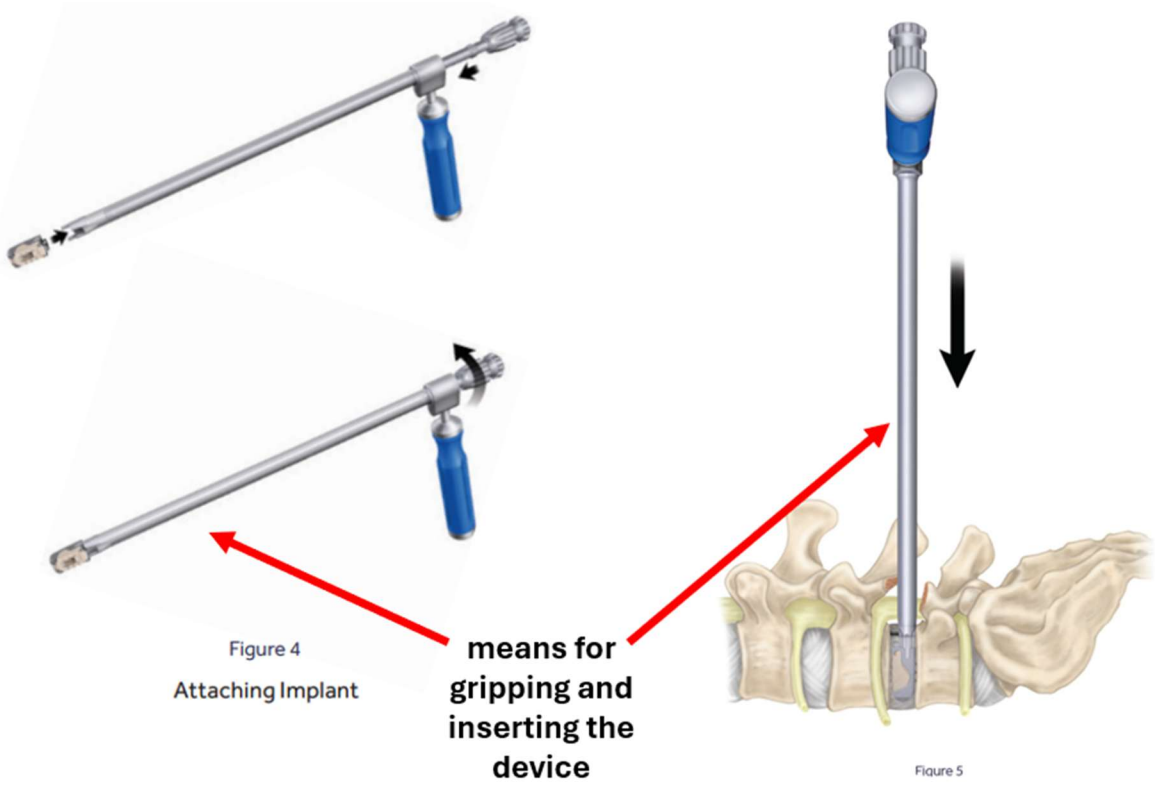
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Claim 1, Row 1C. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 7**	
7	The device of claim 1, wherein the third and fourth side portions define first and second indentations that extend into but not through the third and fourth side portions and that are configured to be grabbed by an insertion tool.	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above. The third and fourth side portions define first and second indentations that extend into but not through the third and fourth side portions and that are configured to be grabbed by an insertion tool. 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 

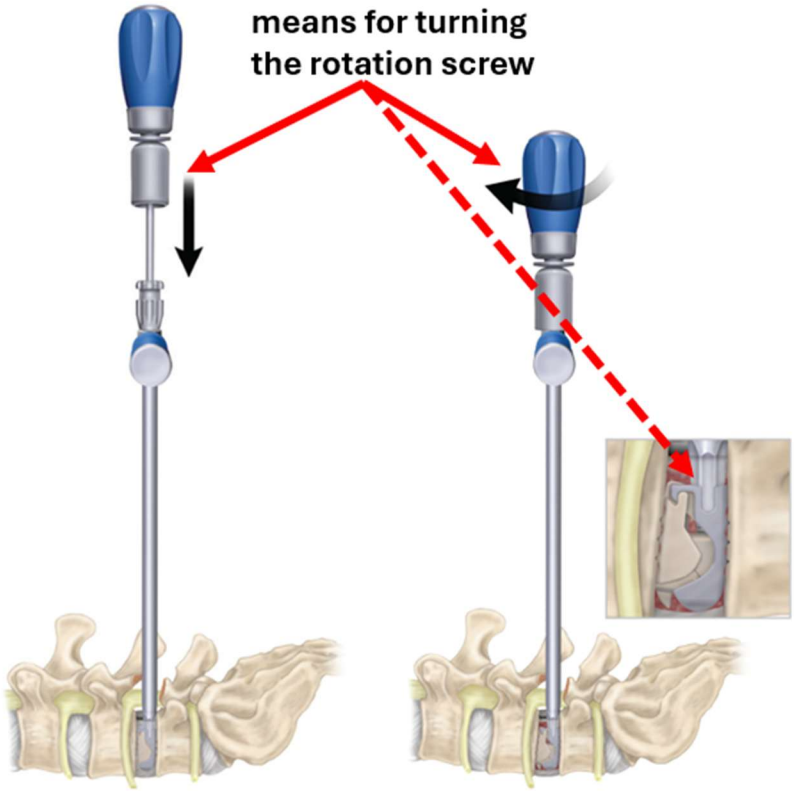
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 4 Attaching Implant Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

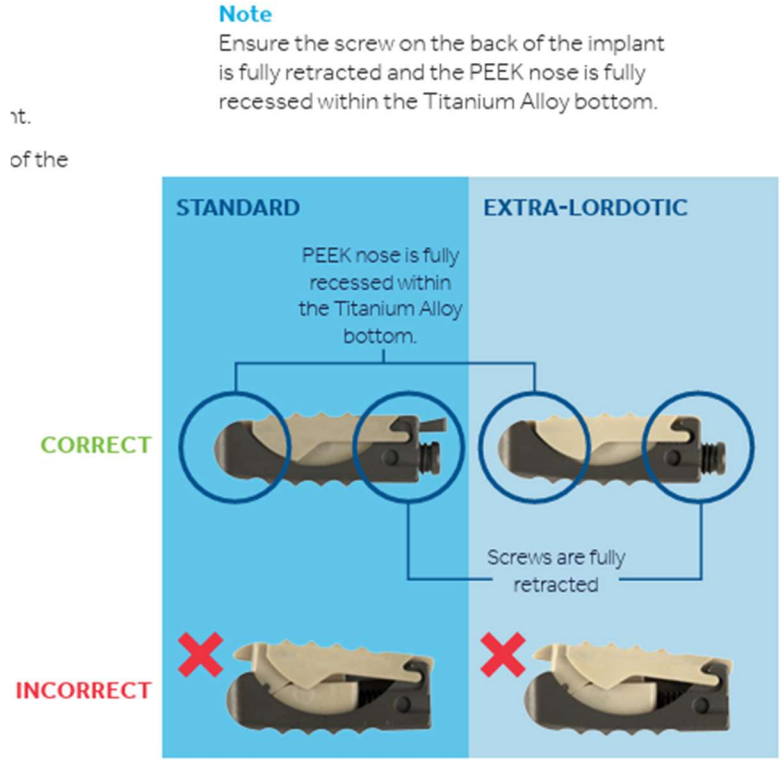
EXHIBIT F1 - U.S. PATENT 10,426,633
Infringement Claim Chart

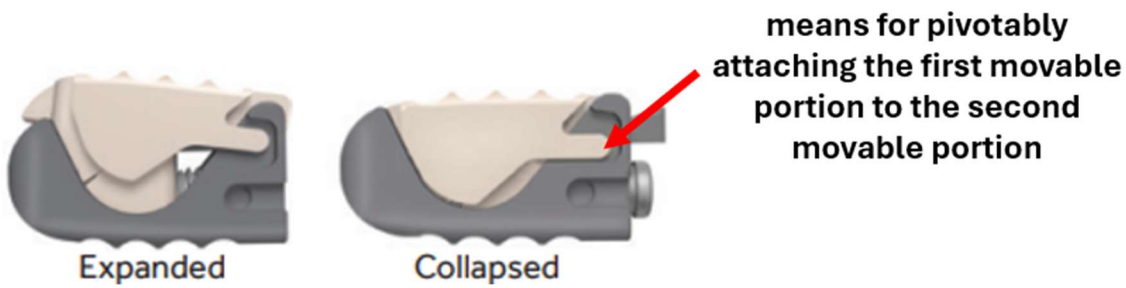
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
Row	**Claim 8**	
8	A system comprising the device of claim 7, wherein the system further comprises: means for gripping and inserting the device.	The ’633A Accused Instrumentalities include the limitations of claim 7, as described above. The ’633A Accused Instrumentalities include a system that includes the device of claim 7. The system includes means for gripping and inserting the device. For example, Medtronic promotional material for the Elevate™ Spinal System instructs the user to “Thread the Inner Locking Tube into the Inserter in order to assemble the Inserter Assembly (Figure 3). Next attach the implant to the Inserter by turning the Inner Locking Tube clockwise (Figure 4). It is recommended that the implant be attached to the Inserter so the PEEK portion of the implant with x-ray markers is superior during the insertion. Carefully insert the implant into the disc space (Figure 5). A mallet may be used to facilitate placement. Advance the implant anteriorly so that the leading tip of the implant rests on the anterior apophyseal ring.”

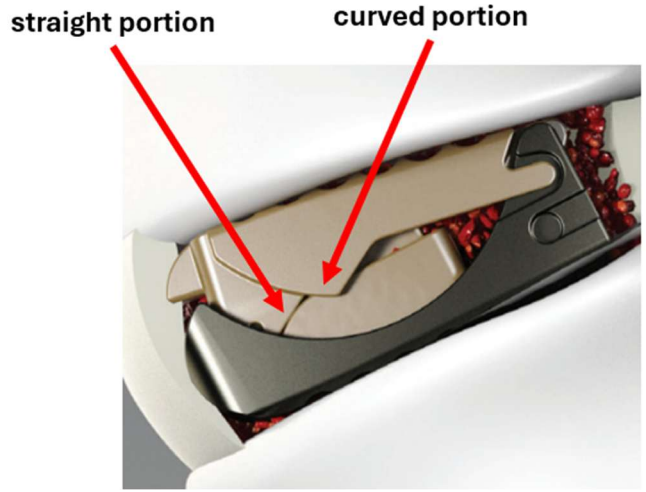
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Claim 4, Claim 7. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

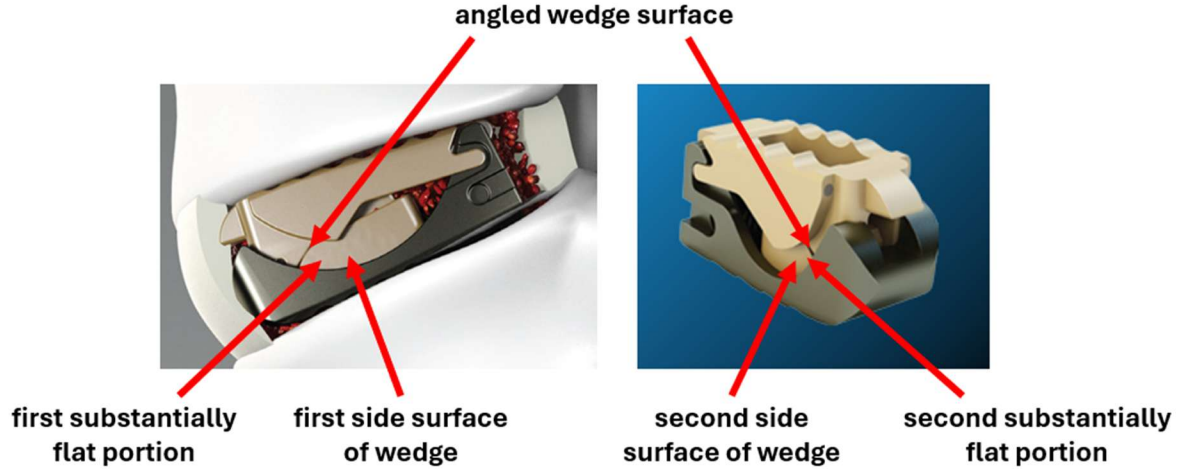
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
Row	**Claim 9**	
9	The system of claim 8, and further comprising: means for turning the rotation screw with respect to the second movable portion and the wedge.	The ’633A Accused Instrumentalities include the limitations of claim 8, as described above. The ’633A Accused Instrumentalities include means for turning the rotation screw with respect to the second movable portion and the wedge. For example, Medtronic promotional material instructs users to “Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom” during insertion. This material further states “In order to expand the implant inside the disc space, insert the Inserter Drive Shaft along with the attached Torque Handle inside the Inserter Assembly (Figure 6). Next, turn the Torque Handle clockwise to expand the implant (Figure 7).”

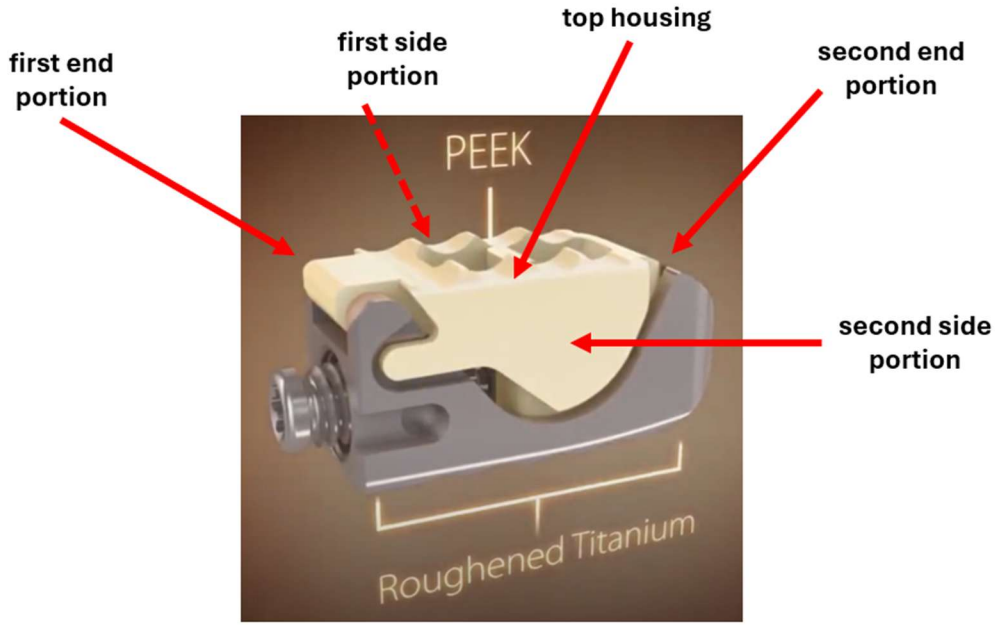
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 6 Figure 7

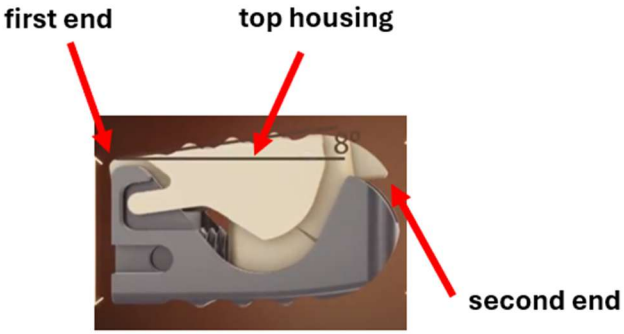
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Claim 1, Rows 1C and 1M. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

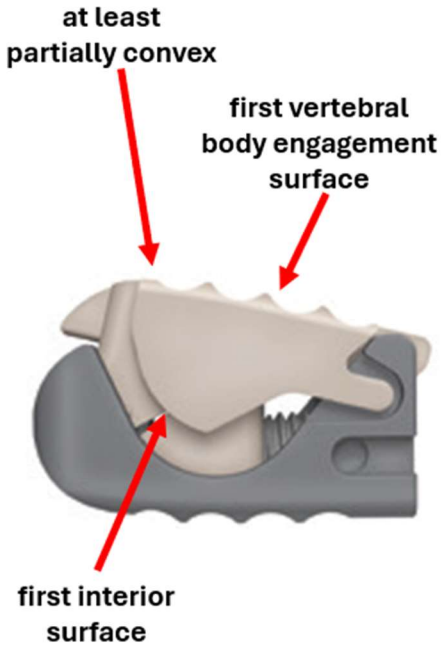
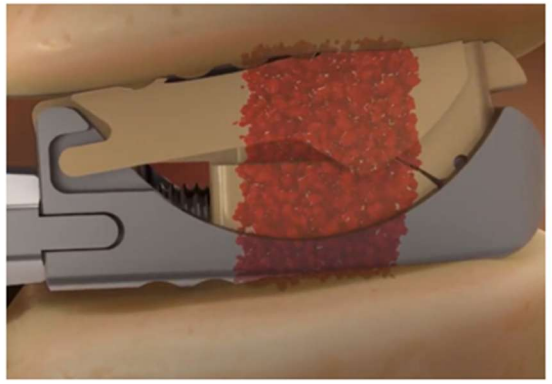
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
Row	**Claim 10**	
10	The device of claim 1, and further comprising: means for pivotably attaching the first movable portion to the second movable portion.	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above. The ’633A Accused Instrumentalities include means for pivotably attaching the first movable portion to the second movable portion.  *See also* Claim 1, Rows 1A and 1C. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 11**	
11	The device of claim 1, wherein the first movable portion has a thickness that varies between	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above.

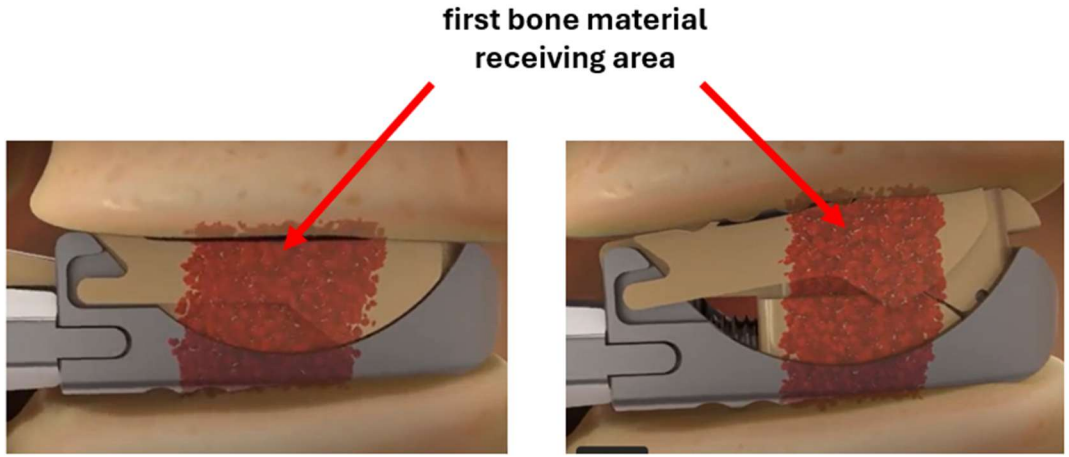
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	the first end and the second end such that the first interior surface comprises a curved portion and a straight portion.	The first movable portion has a thickness that varies between the first end and the second end such that the first interior surface comprises a curved portion and a straight portion.  *See also* Claim 1, Row 1B. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 12**	
12	The device of claim 1, wherein the wedge comprises opposing	The ’633A Accused Instrumentalities include the limitations of claim 1, as described above.

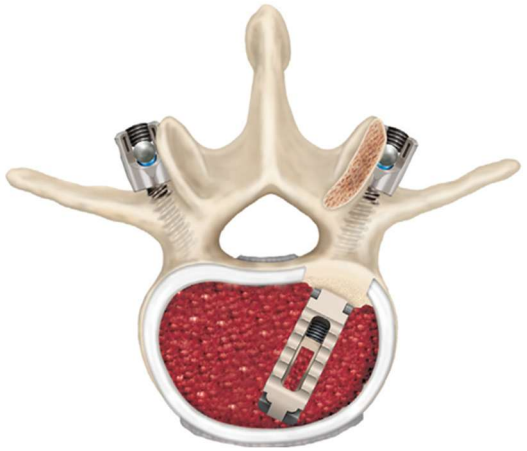
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	first and second side surfaces with first and second substantially flat portions, wherein the angled wedge surface extends between the first and second side surfaces and is substantially flat across the angled wedge surface from the first side surface to the second side surface.	The wedge comprises opposing first and second side surfaces with first and second substantially flat portions, wherein the angled wedge surface extends between the first and second side surfaces and is substantially flat across the angled wedge surface from the first side surface to the second side surface.  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 14**	
14A	An expandable interbody device comprising:	To the extent the preamble is limiting, the ’633A Accused Instrumentalities include an expandable interbody device. The ’633A Accused Instrumentalities include a top housing extending from a first end to a second end, wherein the top housing has first and second end

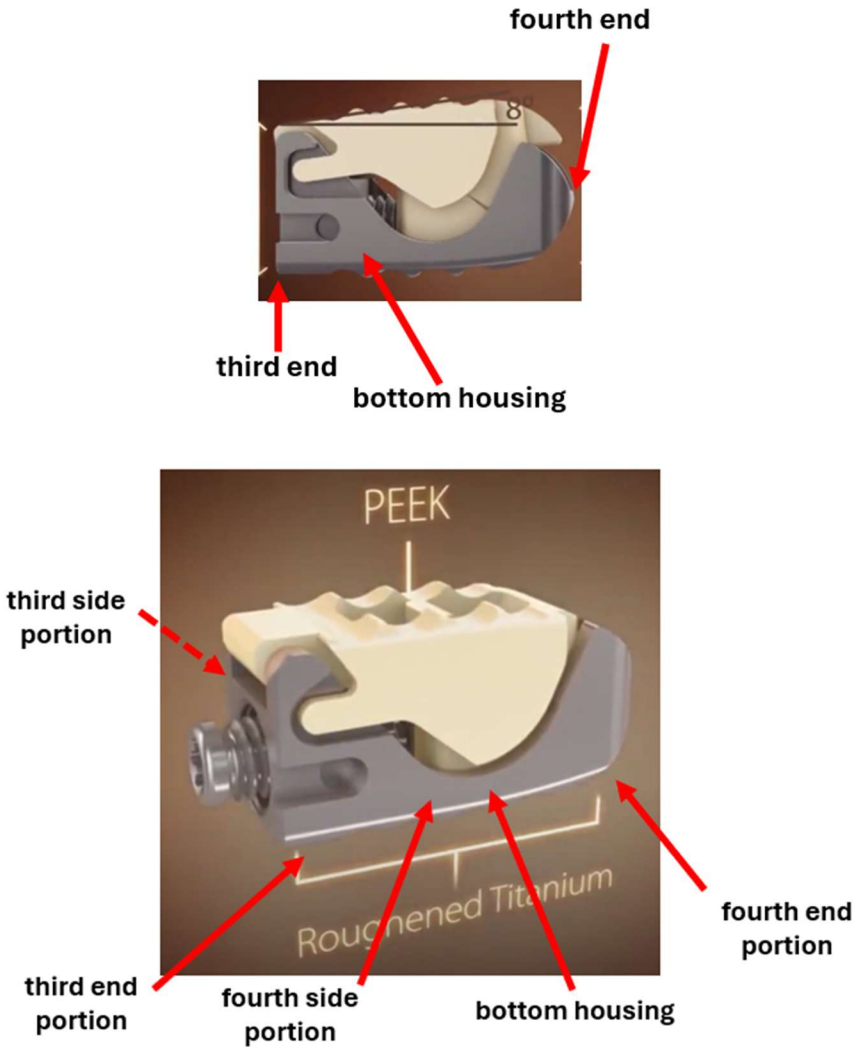
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	a top housing extending from a first end to a second end, wherein the top housing has first and second end portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions,	portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions. For example, Medtronic promotional material identifies the Elevate™ Spinal System as an "Expandable Interbody Device." 

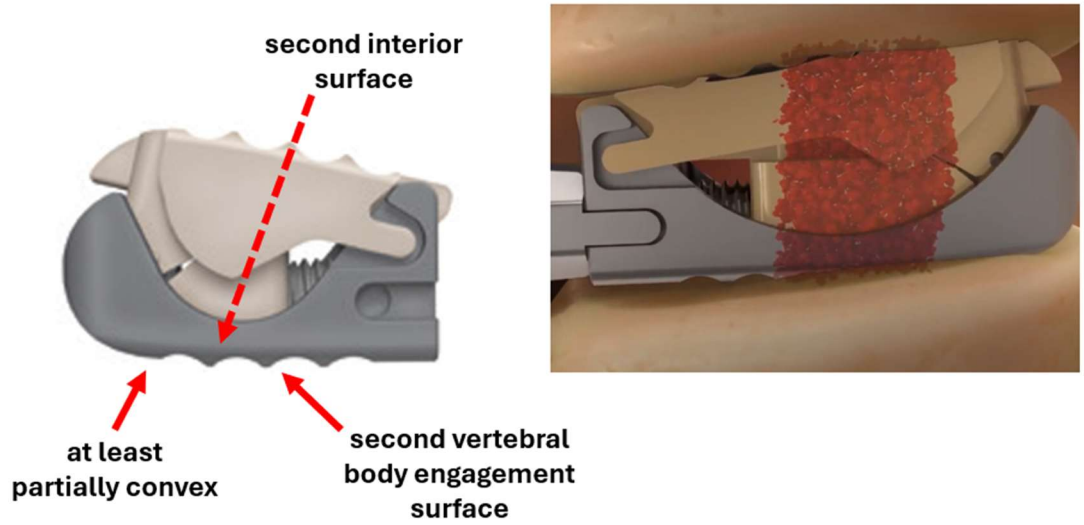
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14B	wherein the top housing has a first vertebral body engagement surface that is at least partially convex and has a first interior surface positioned on an opposite side of the top housing than the first vertebral body engagement surface,	The top housing has a first vertebral body engagement surface that is at least partially convex and has a first interior surface positioned on an opposite side of the top housing than the first vertebral body engagement surface.

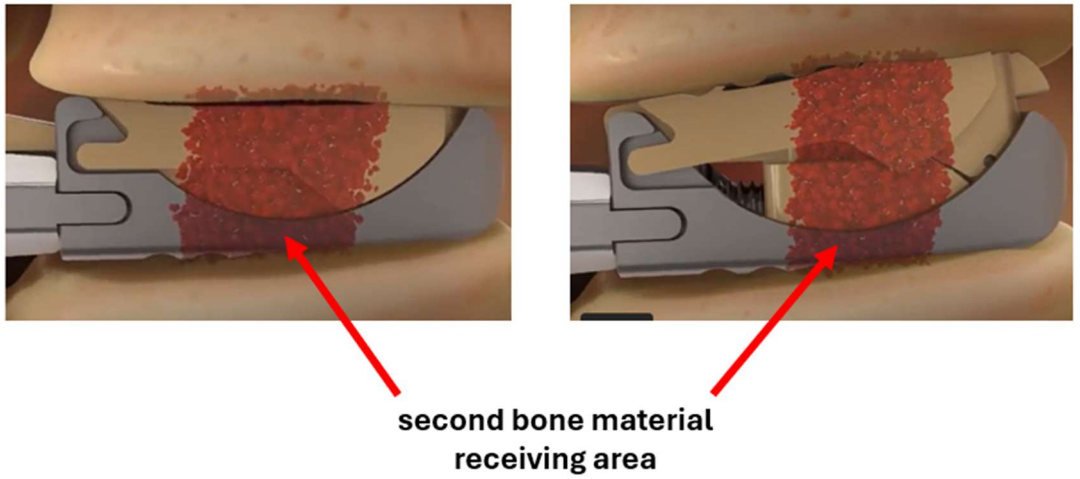
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14C	wherein the top housing defines at least one first bone material receiving area extending through the top housing	The top housing defines at least one first bone material receiving area extending through the top housing between the first and second end portions and the first and second side portions.

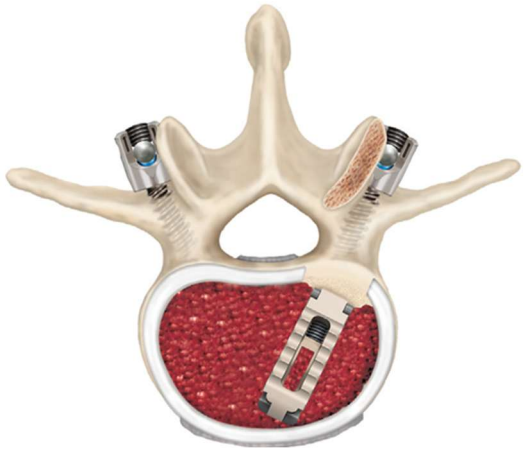
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	between the first and second end portions and the first and second side portions;	For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Continuous apposition of bone-graft-to-endplate during expansion" and an "Open volume design for appropriate bone graft material." This material further states "This expandable interbody device is intended to be used with autograft and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone. In addition to filling the implant, the disc space may be filled with appropriate bone grafting material" and "The hollow geometry of the implants allows them to be packed with autogenous and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone." 

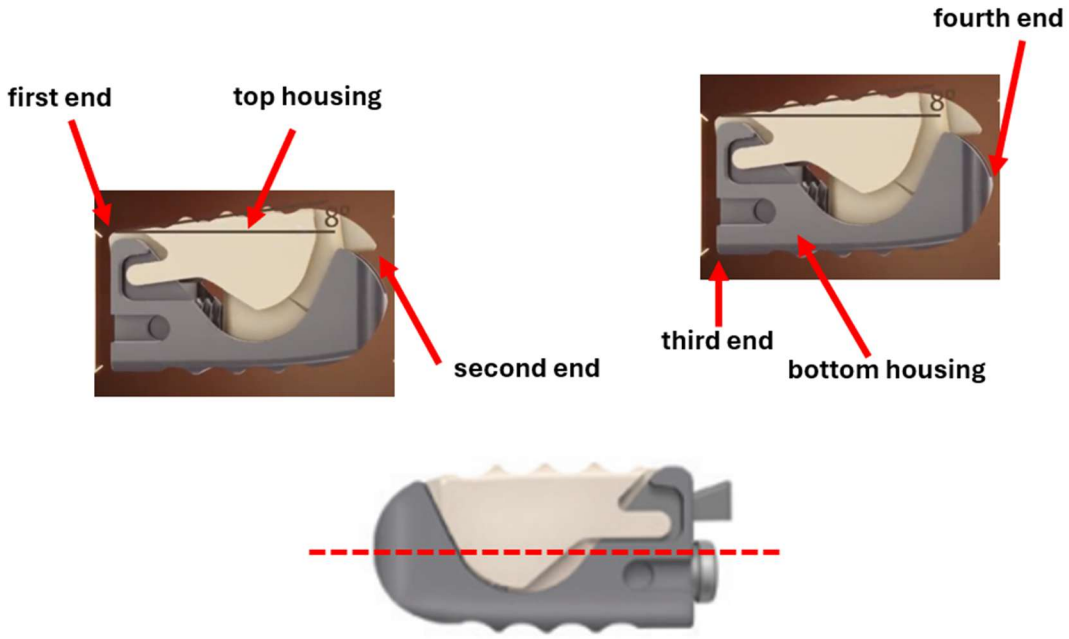
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Row 14A. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14D	a bottom housing extending from a third end to a fourth end, wherein the bottom housing has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side	The ’633A Accused Instrumentalities include a bottom housing extending from a third end to a fourth end, wherein the bottom housing has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side portions extending between the third and fourth end portions.

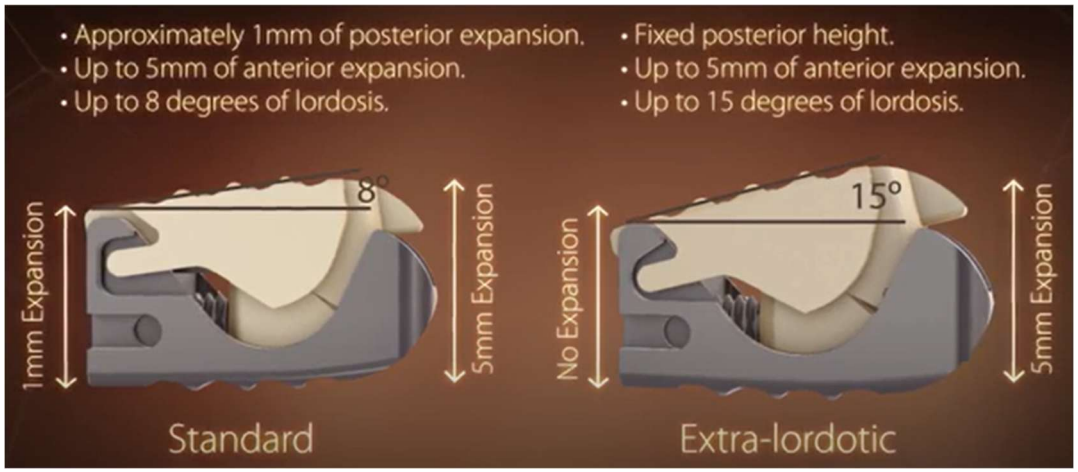
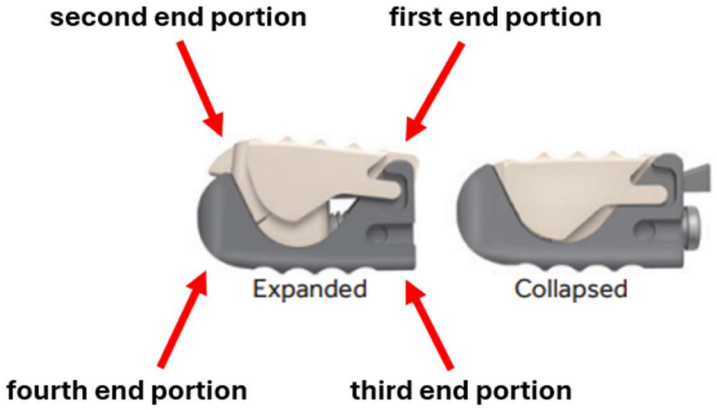
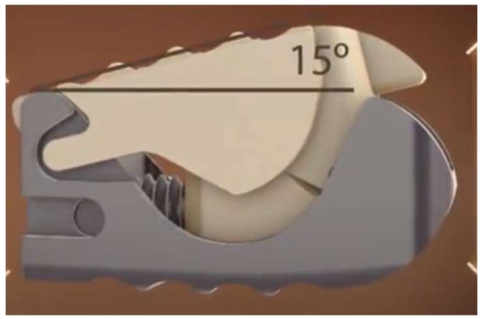
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	portions extending between the third and fourth end portions,	

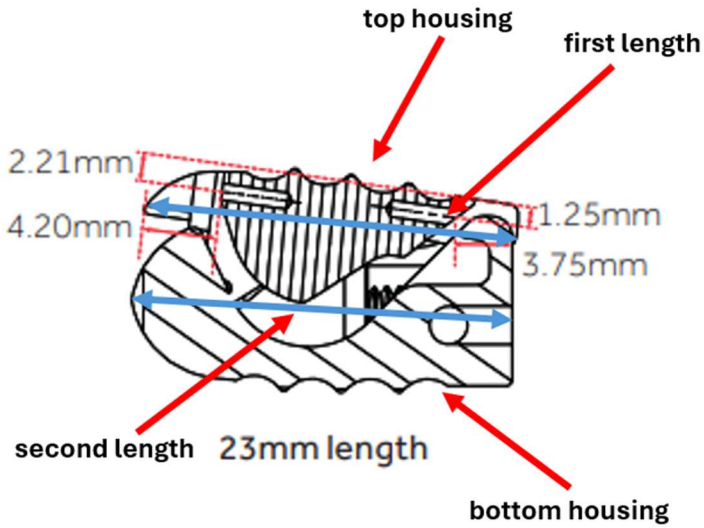
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf
14E	wherein the bottom housing has a second vertebral body engagement surface that is at least partially convex and has a second interior surface positioned on an opposite side of the bottom housing than the second vertebral body engagement surface,	The bottom housing has a second vertebral body engagement surface that is at least partially convex and has a second interior surface positioned on an opposite side of the bottom housing than the second vertebral body engagement surface.  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf

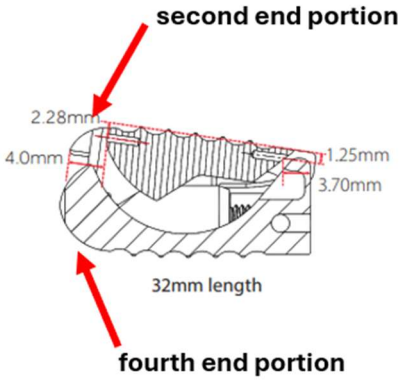
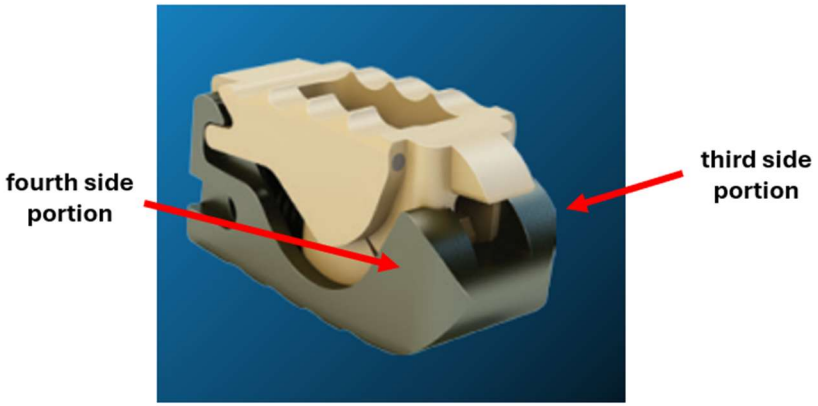
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
14F	wherein the bottom housing defines at least one second bone material receiving area extending through the bottom housing between the third and fourth end portions and the third and fourth side portions,	The bottom housing defines at least one second bone material receiving area extending through the bottom housing between the third and fourth end portions and the third and fourth side portions. For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Continuous apposition of bone-graft-to-endplate during expansion" and an "Open volume design for appropriate bone graft material." This material further states "This expandable interbody device is intended to be used with autograft and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone. In addition to filling the implant, the disc space may be filled with appropriate bone grafting material" and "The hollow geometry of the implants allows them to be packed with autogenous and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone." 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Row 14D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14G	wherein the top housing is aligned with the bottom housing such that the first end of the top housing is axially aligned with the third end of the bottom housing and the second end of the top housing is axially	The top housing is aligned with the bottom housing such that the first end of the top housing is axially aligned with the third end of the bottom housing and the second end of the top housing is axially aligned with the fourth end of the bottom housing.

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	aligned with the fourth end of the bottom housing,	 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14H	wherein the first end portion of the top housing and the third end portion of the bottom housing are hingedly interconnected such that the top	The first end portion of the top housing and the third end portion of the bottom housing are hingedly interconnected such that the top housing can pivot with respect to the bottom housing so as to move the second end portion of the top housing away from the fourth end portion of the bottom housing.

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	housing can pivot with respect to the bottom housing so as to move the second end portion of the top housing away from the fourth end portion of the bottom housing,	For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion."   

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Rows 14A and 14D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14I	wherein a first length of the top housing from the first end to the second end is substantially equal to a second length of the bottom housing from the third end to the fourth end,	A first length of the top housing from the first end to the second end is substantially equal to a second length of the bottom housing from the third end to the fourth end.  *See also* Rows 14A and 14D.

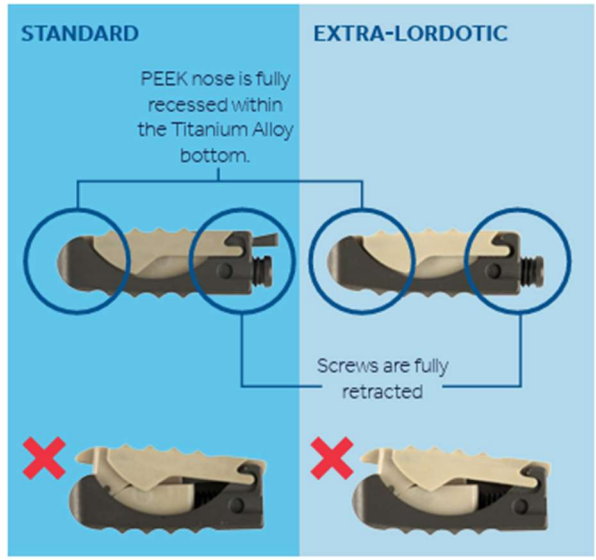
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14J	and wherein the second end portion of the top housing is smaller than the fourth end portion of the bottom housing such that the second end portion of the top housing is positionable between the third and fourth side portions of the bottom housing at the fourth end of the bottom housing;	The second end portion of the top housing is smaller than the fourth end portion of the bottom housing such that the second end portion of the top housing is positionable between the third and fourth side portions of the bottom housing at the fourth end of the bottom housing. For example, Medtronic promotional material states that the "PEEK nose is fully recessed within the Titanium Alloy bottom" in the collapsed position.  

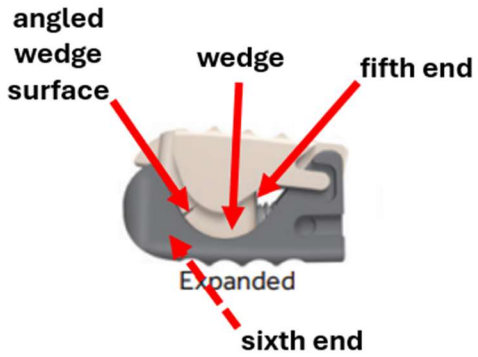
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]

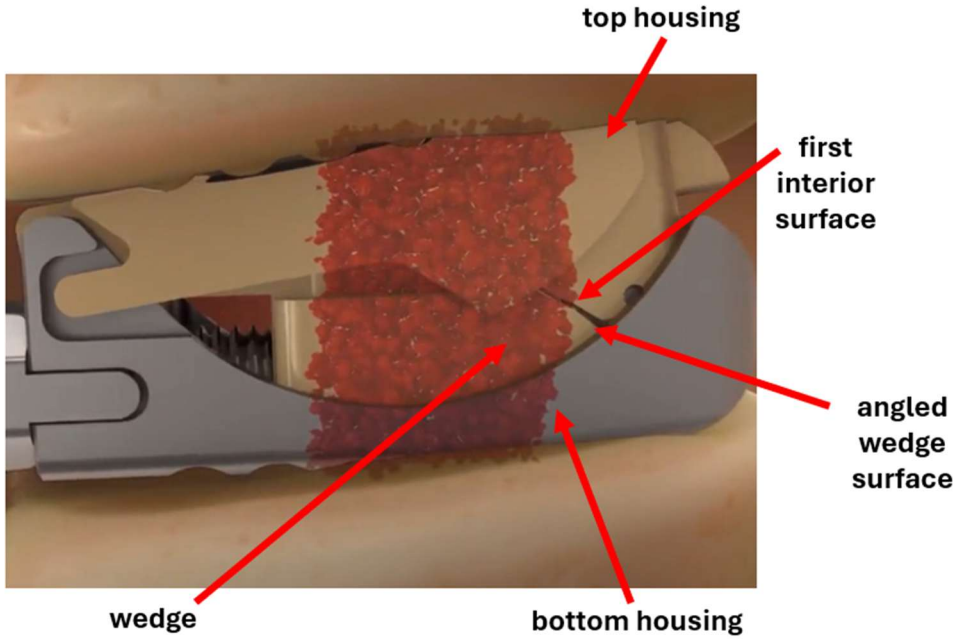
Note
Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom.

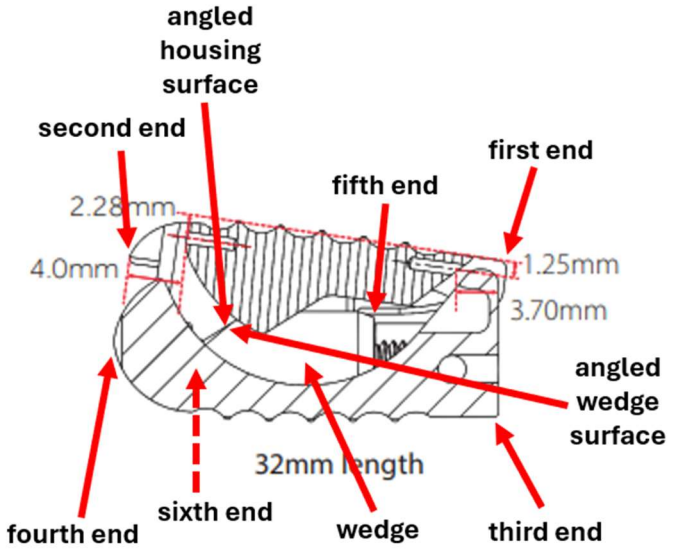
ment.

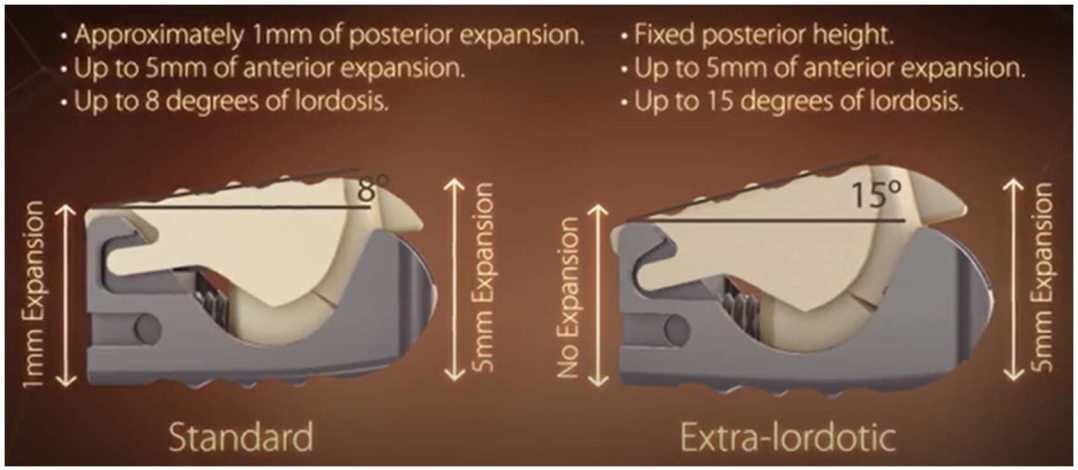
tip of the

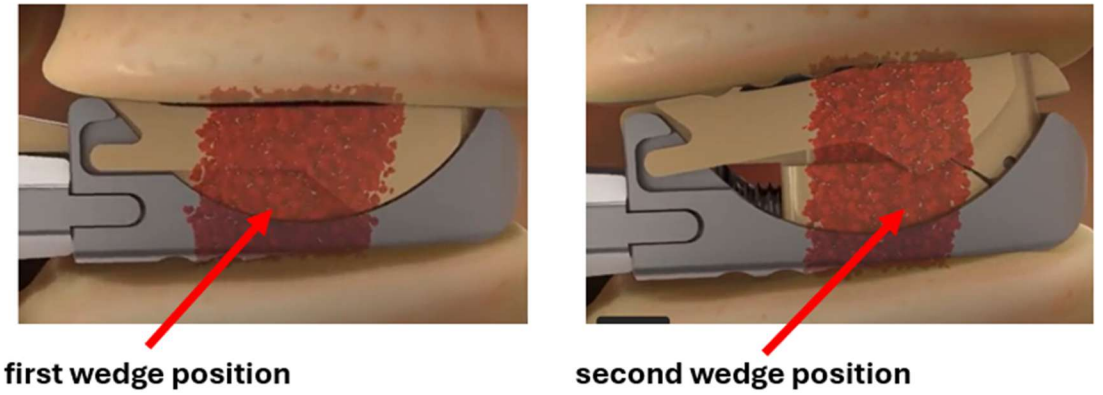


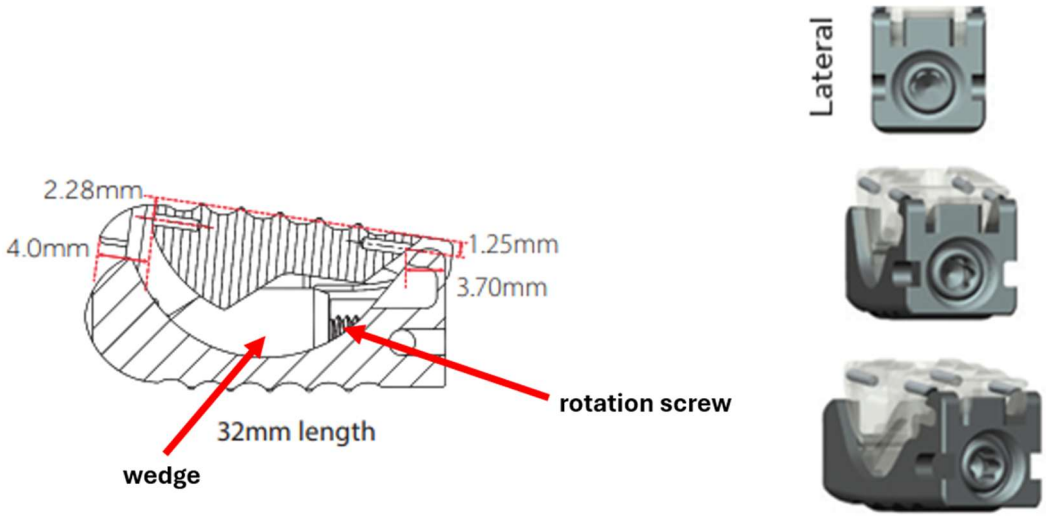
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		See also Rows 14A and 14D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
14K	a wedge extending from a fifth end to a sixth end and having an angled wedge surface extending along at least a portion of a distance between the fifth end and the sixth end,	The ’633A Accused Instrumentalities include a wedge extending from a fifth end to a sixth end and having an angled wedge surface extending along at least a portion of a distance between the fifth end and the sixth end.  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

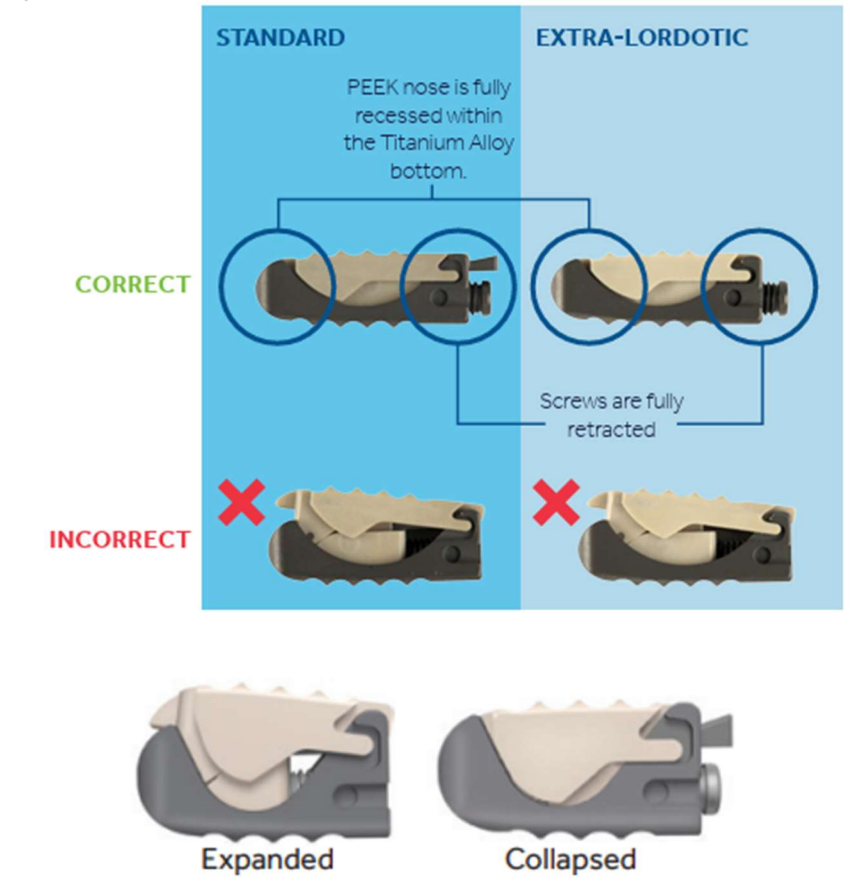
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
14L	wherein the wedge is positioned between the top housing and the bottom housing with the angled wedge surface facing the first interior surface of the top housing,	The wedge is positioned between the top housing and the bottom housing with the angled wedge surface facing the first interior surface of the top housing.  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

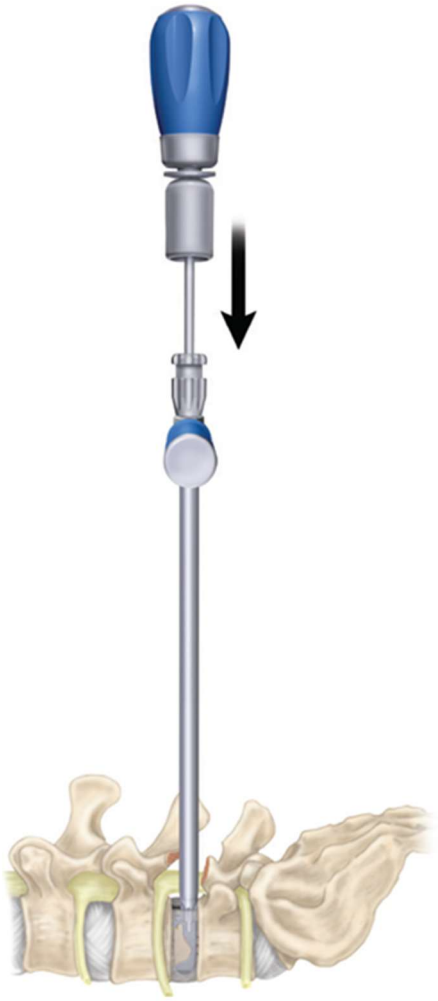
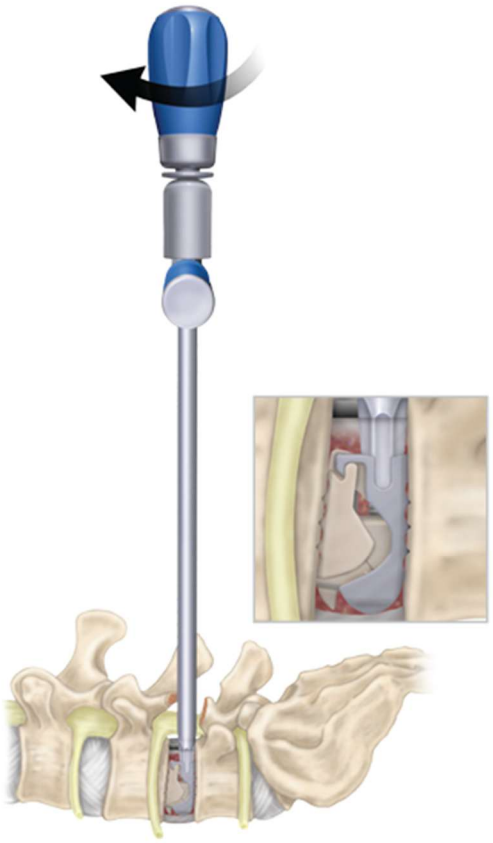
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
14M	wherein the first interior surface of the top housing has an angled housing surface shaped to engage the angled wedge surface of the wedge, wherein a distance from the fifth end to the sixth end of the wedge is less than a distance from the first end to the second end of the top housing and is less than a distance from the third end to the fourth end of the bottom housing,	The first interior surface of the top housing has an angled housing surface shaped to engage the angled wedge surface of the wedge, wherein a distance from the fifth end to the sixth end of the wedge is less than a distance from the first end to the second end of the top housing and is less than a distance from the third end to the fourth end of the bottom housing.  *See also* Rows 14A, 14D, 14K. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

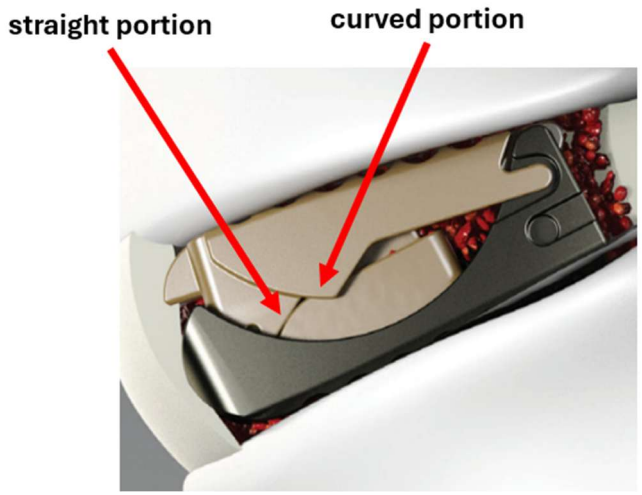
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
14N	wherein the wedge is configured to slide within a space defined by the top and bottom housings in a direction toward the second and fourth ends of the top and bottom housings from a first wedge position that allows the top and bottom housings to pivot to a housing position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the top housing to hingedly open the top housing with respect to the bottom housing whereby the wedge remains axially confined within the space defined by the top and bottom housings in the first and second wedge positions; and	The wedge is configured to slide within a space defined by the top and bottom housings in a direction toward the second and fourth ends of the top and bottom housings from a first wedge position that allows the top and bottom housings to pivot to a housing position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the top housing to hingedly open the top housing with respect to the bottom housing whereby the wedge remains axially confined within the space defined by the top and bottom housings in the first and second wedge positions. For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion." 

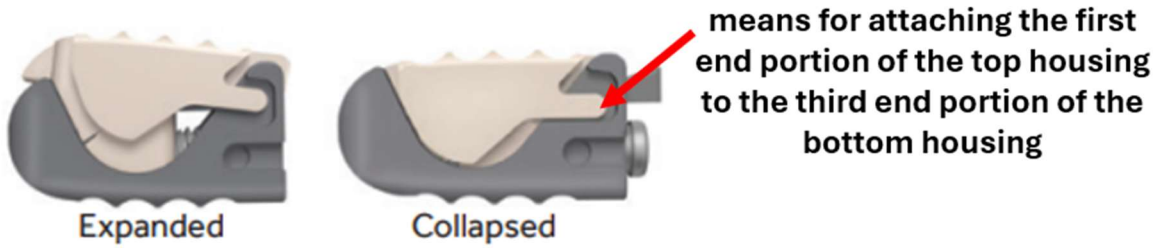
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		   *See also* Rows 14A, 14D, 14H, 14L-14M. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

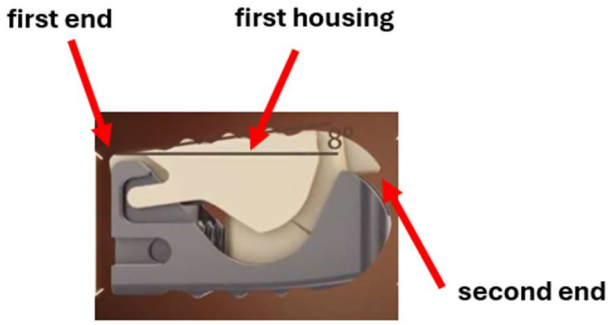
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
14O	a rotation screw operably connected to the wedge and to the bottom housing, wherein rotation of the rotation screw moves the wedge in an axially translating direction with respect to the top housing and the bottom housing within the space defined by the first and bottom housings from the first wedge position to the second wedge position.	The ’633A Accused Instrumentalities include a rotation screw operably connected to the wedge and to the bottom housing, wherein rotation of the rotation screw moves the wedge in an axially translating direction with respect to the top housing and the bottom housing within the space defined by the first and bottom housings from the first wedge position to the second wedge position. For example, Medtronic promotional material instructs users to “Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom” during insertion. This material further states “In order to expand the implant inside the disc space, insert the Inserter Drive Shaft along with the attached Torque Handle inside the Inserter Assembly (Figure 6). Next, turn the Torque Handle clockwise to expand the implant (Figure 7).” 

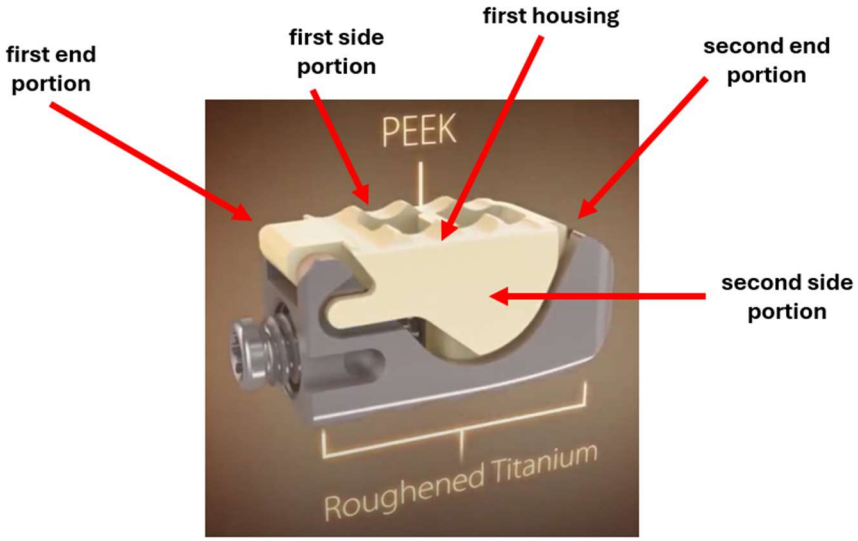
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		ment. tip of the **Note** Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom. 

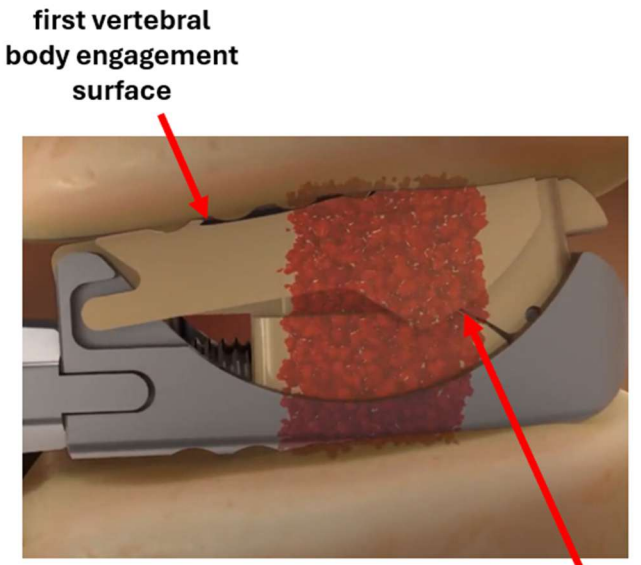
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 6  Figure 7

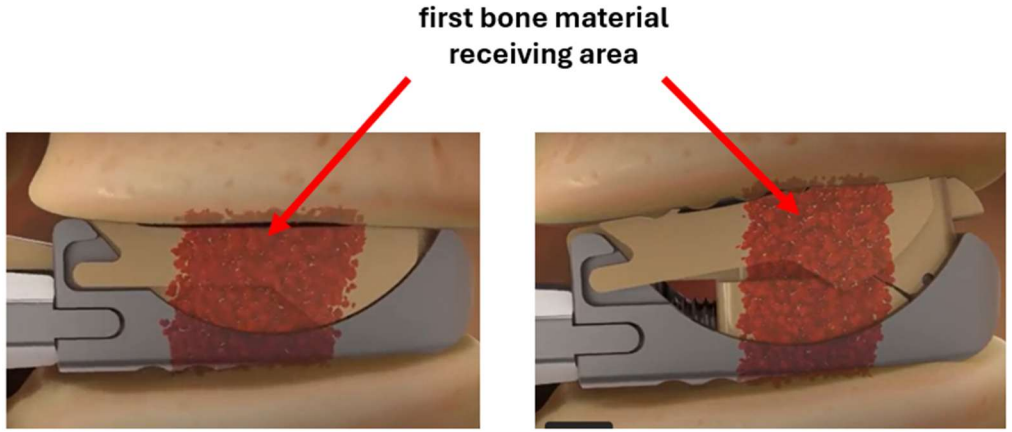
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 16**	
16	The device of claim 14, wherein the top housing has a thickness that varies between the first end and the second end such that the first interior surface comprises a curved portion and a straight portion.	The '633A Accused Instrumentalities include the limitations of claim 14, as described above. The top housing has a thickness that varies between the first end and the second end such that the first interior surface comprises a curved portion and a straight portion.  *See also* Claim 14, Row 14B.

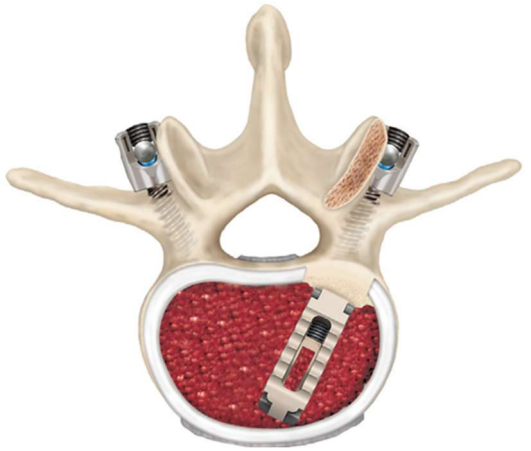
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 17**	
17	The device of claim 14, and further comprising means for attaching the first end portion of the top housing to the third end portion of the bottom housing.	The '633A Accused Instrumentalities include the limitations of claim 14, as described above. The '633A Accused Instrumentalities include means for attaching the first end portion of the top housing to the third end portion of the bottom housing.  *See also* Rows 14A and 14D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

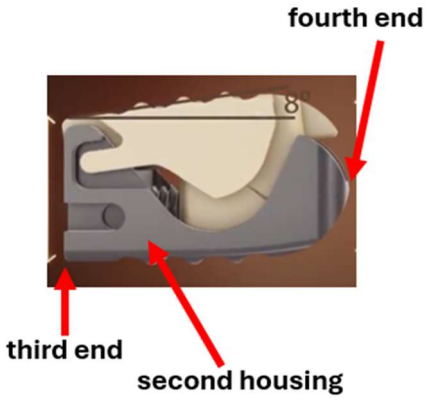
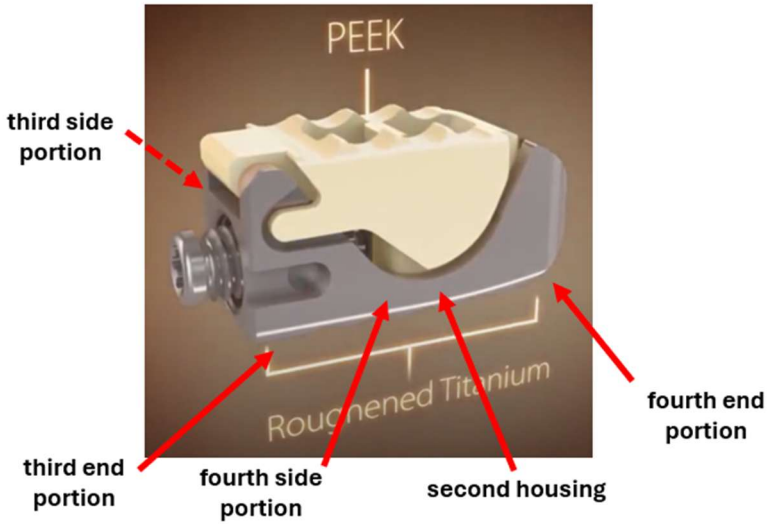
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
Row	**Claim 19**	
19A	An expandable interbody device comprising: a first housing extending from a first end to a second end, wherein the first housing has first and second end portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions,	To the extent the preamble is limiting, the '633A Accused Instrumentalities include an expandable interbody device. The '633A Accused Instrumentalities include a first housing extending from a first end to a second end, wherein the first housing has first and second end portions positioned at the first and second ends, respectively, and has first and second side portions extending between the first and second end portions. For example, Medtronic promotional material identifies the Elevate™ Spinal System as an "Expandable Interbody Device." 

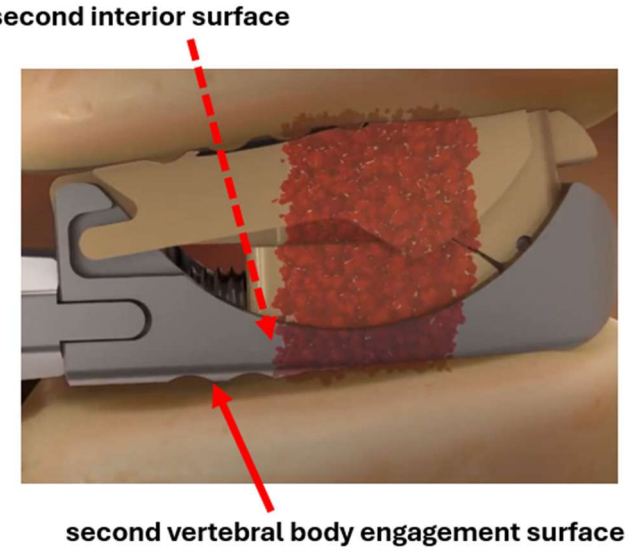
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19B	wherein the first housing has a first vertebral body engagement surface and has a first interior surface positioned on an opposite side of the first housing than the first vertebral body engagement surface,	The first housing has a first vertebral body engagement surface and has a first interior surface positioned on an opposite side of the first housing than the first vertebral body engagement surface. For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Teeth on the surface to reduce the likelihood of expulsion."

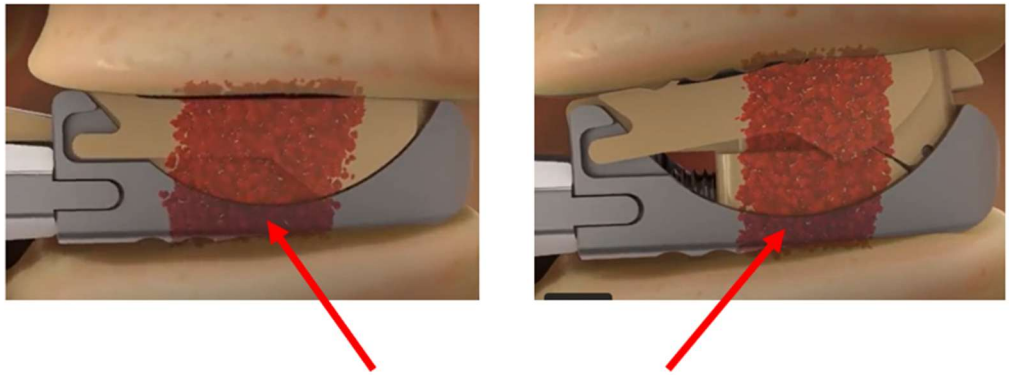
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19C	wherein the first housing defines a first bone material receiving area between the first and second end portions and the first and second side portions;	The first housing defines a first bone material receiving area between the first and second end portions and the first and second side portions. For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Continuous apposition of bone-graft-to-endplate during

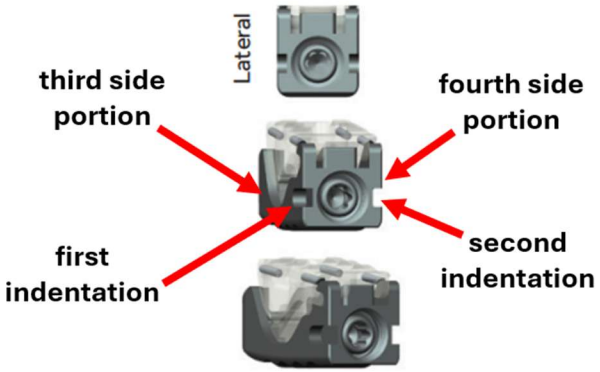
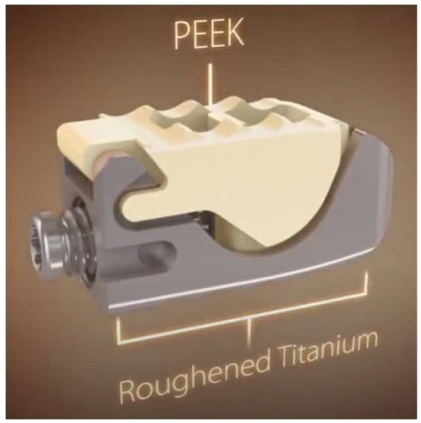
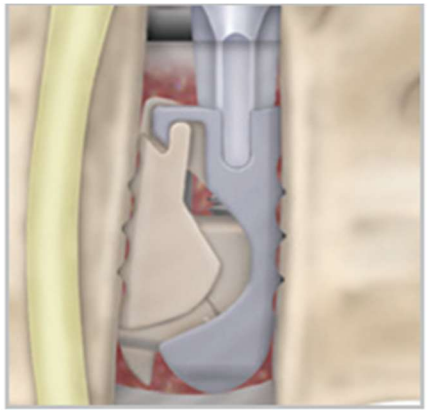
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		expansion" and an "Open volume design for appropriate bone graft material." This material further states "This expandable interbody device is intended to be used with autograft and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone. In addition to filling the implant, the disc space may be filled with appropriate bone grafting material" and "The hollow geometry of the implants allows them to be packed with autogenous and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone." 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Row 19A. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19D	a second housing extending from a third end to a fourth end, wherein the second housing has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side	The ’633A Accused Instrumentalities include a second housing extending from a third end to a fourth end, wherein the second housing has third and fourth end portions positioned at the third and fourth ends, respectively, and has third and fourth side portions extending between the third and fourth end portions.

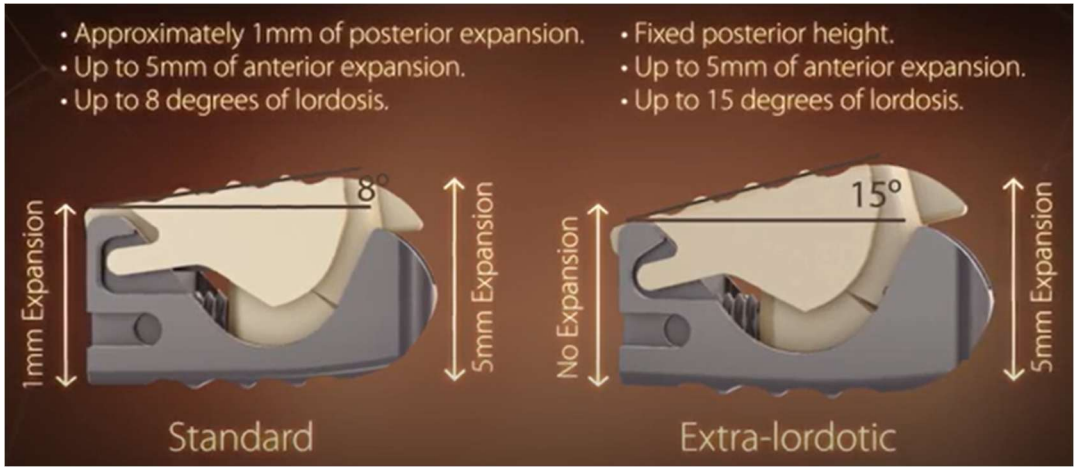
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	portions extending between the third and fourth end portions,	  Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19E	wherein the second housing has a second vertebral body engagement surface and has a second interior surface positioned on an opposite side of the second housing than the	The second housing has a second vertebral body engagement surface and has a second interior surface positioned on an opposite side of the second housing than the second vertebral body engagement surface. For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Teeth on the surface to reduce the likelihood of expulsion."

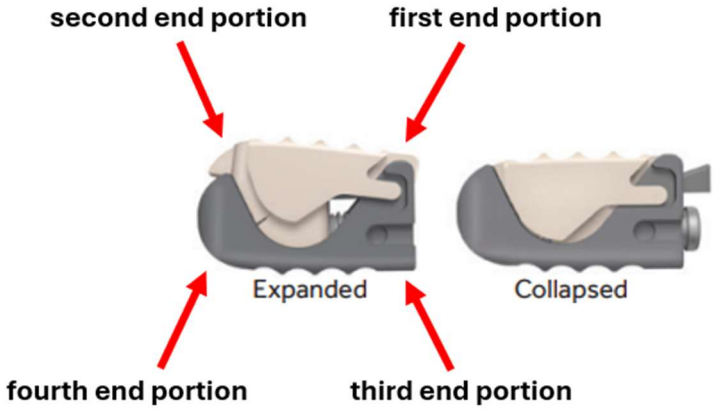
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	second vertebral body engagement surface,	 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19F	wherein the second housing defines a second bone material receiving area between the third and fourth end portions and the third and fourth side portions,	The second housing defines a second bone material receiving area between the third and fourth end portions and the third and fourth side portions. For example, Medtronic promotional material describes the Elevate™ Spinal System as having "essential features" including "Continuous apposition of bone-graft-to-endplate during expansion" and an "Open volume design for appropriate bone graft material." This material

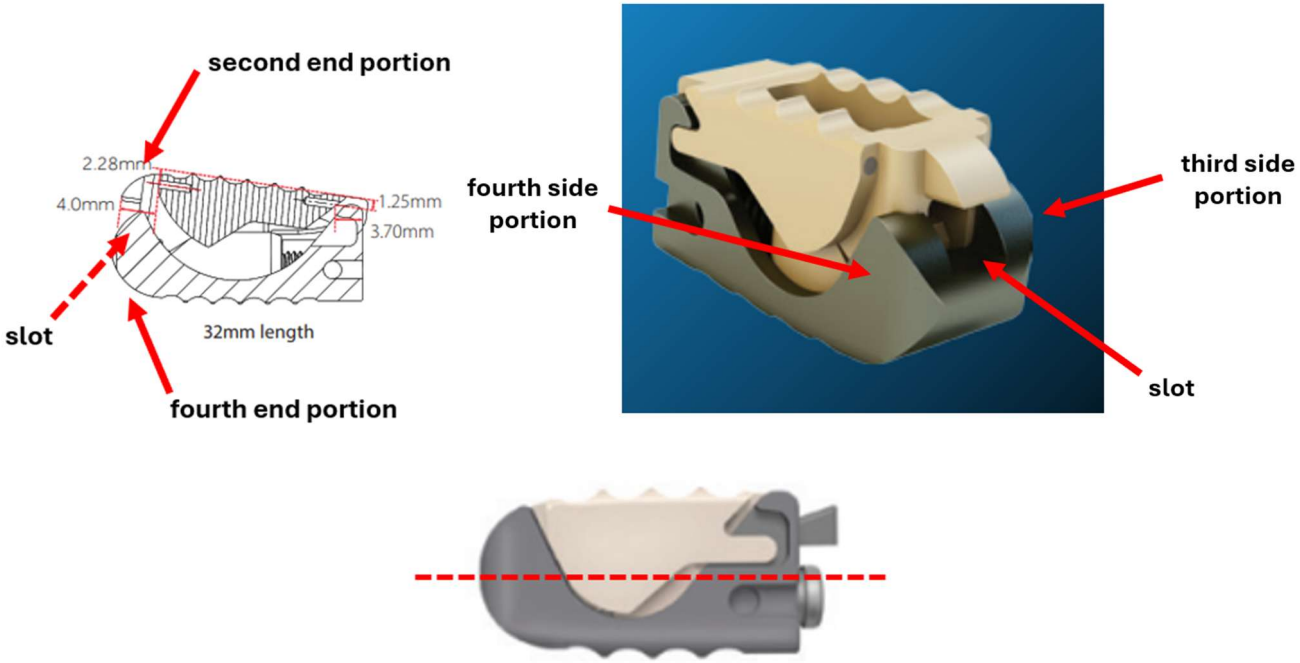
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		further states "This expandable interbody device is intended to be used with autograft and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone. In addition to filling the implant, the disc space may be filled with appropriate bone grafting material" and "The hollow geometry of the implants allows them to be packed with autogenous and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone."  *See also* Row 19D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19G	wherein the third and fourth side portions define first and	The third and fourth side portions define first and second indentations configured to be grabbed by an insertion tool.

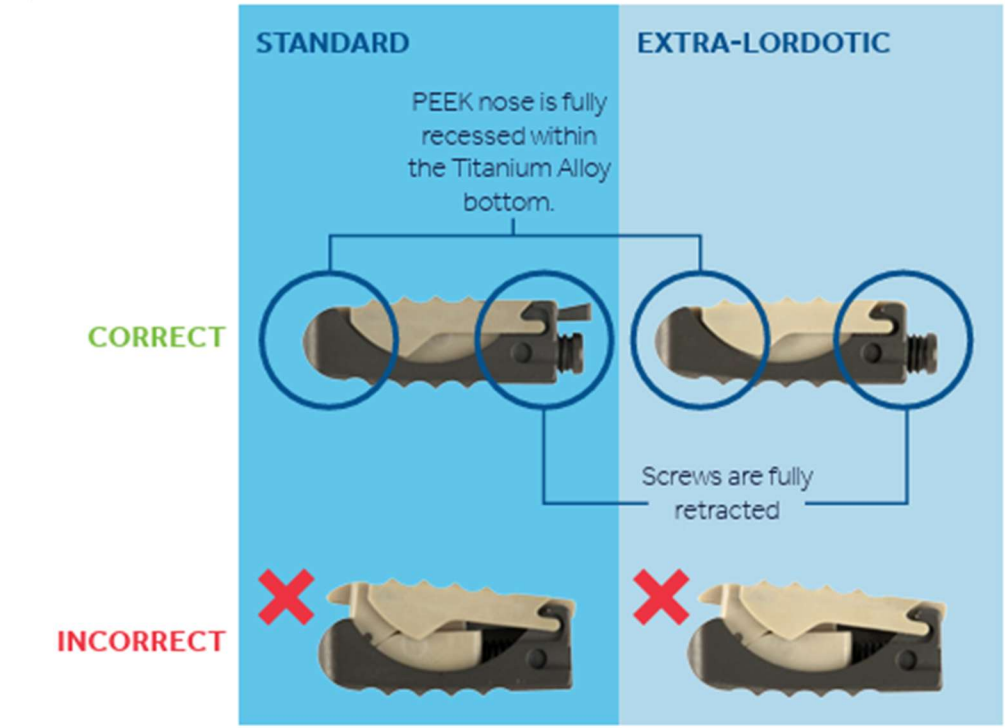
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	second indentations configured to be grabbed by an insertion tool,	  

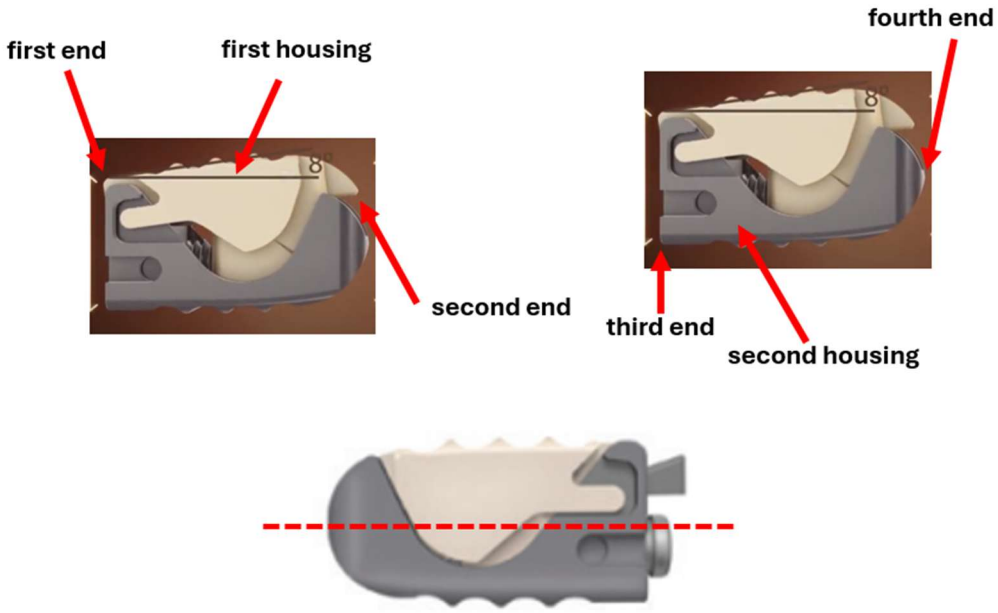
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 4 Attaching Implant Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

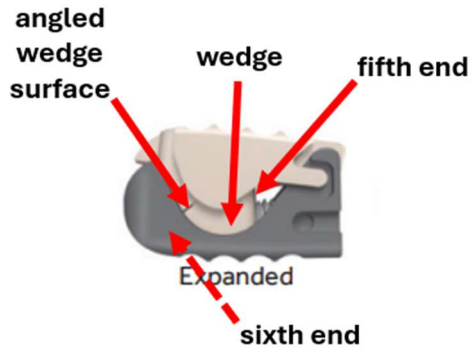
U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
19H	wherein the first end portion of the first housing is hingedly connected to the third end portion of the second housing such that the first housing can pivot with respect to the second housing so as to move the second end portion of the first housing away from the fourth end portion of the second housing,	The first end portion of the first housing is hingedly connected to the third end portion of the second housing such that the first housing can pivot with respect to the second housing so as to move the second end portion of the first housing away from the fourth end portion of the second housing. For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion." 

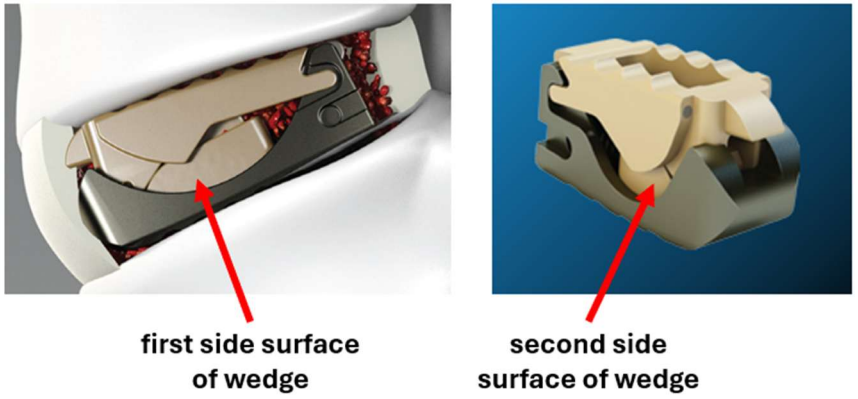
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Rows 19A and 19D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19I	wherein the second housing defines a slot in the fourth end portion between the third and fourth side portions that is sized to receive the second end portion of the first housing such that the second end of the first housing and the fourth end of	The second housing defines a slot in the fourth end portion between the third and fourth side portions that is sized to receive the second end portion of the first housing such that the second end of the first housing and the fourth end of the second housing are axially aligned. For example, Medtronic promotional material states that the "PEEK nose is fully recessed within the Titanium Alloy bottom" in the collapsed position.

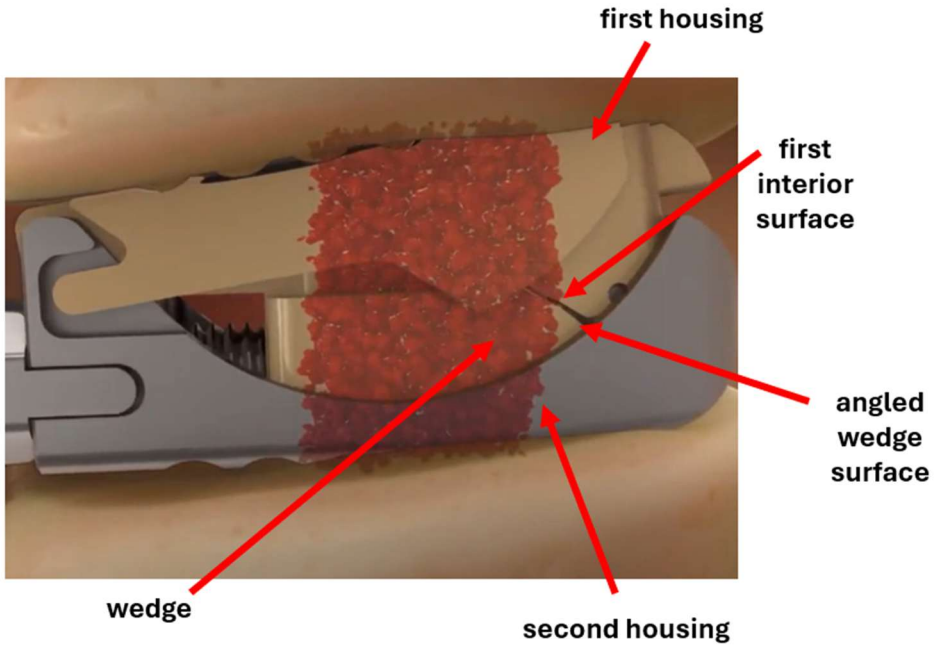
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	the second housing are axially aligned;	

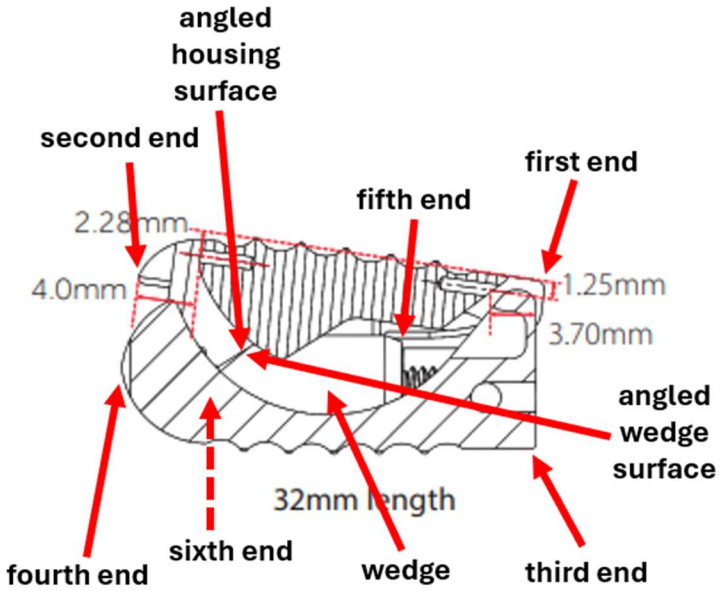
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Note Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom. ment. tip of the  *See also* Rows 19A and 19D.

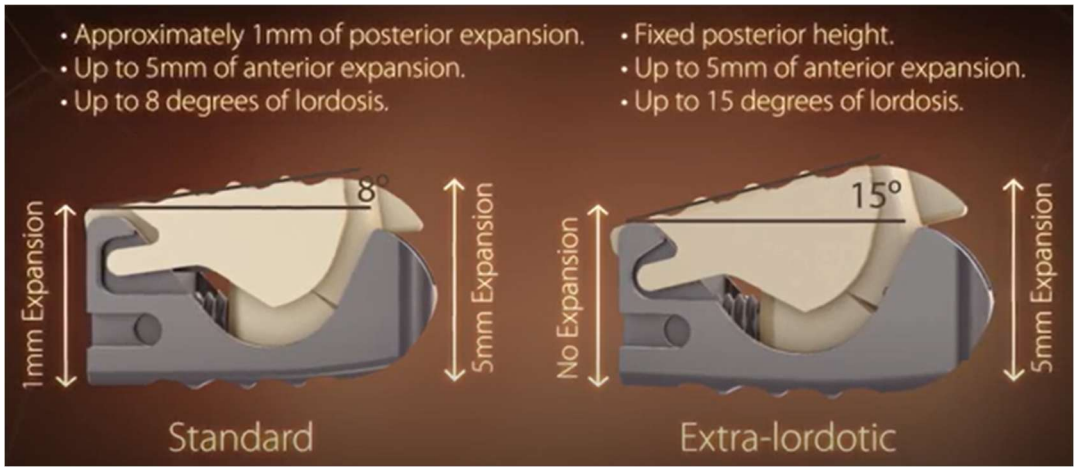
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19J	wherein the first housing is aligned with the second housing such that the first end of the first housing is axially aligned with the third end of the second housing and the second end of the first housing is axially aligned with the fourth end of the second housing,	The first housing is aligned with the second housing such that the first end of the first housing is axially aligned with the third end of the second housing and the second end of the first housing is axially aligned with the fourth end of the second housing. 

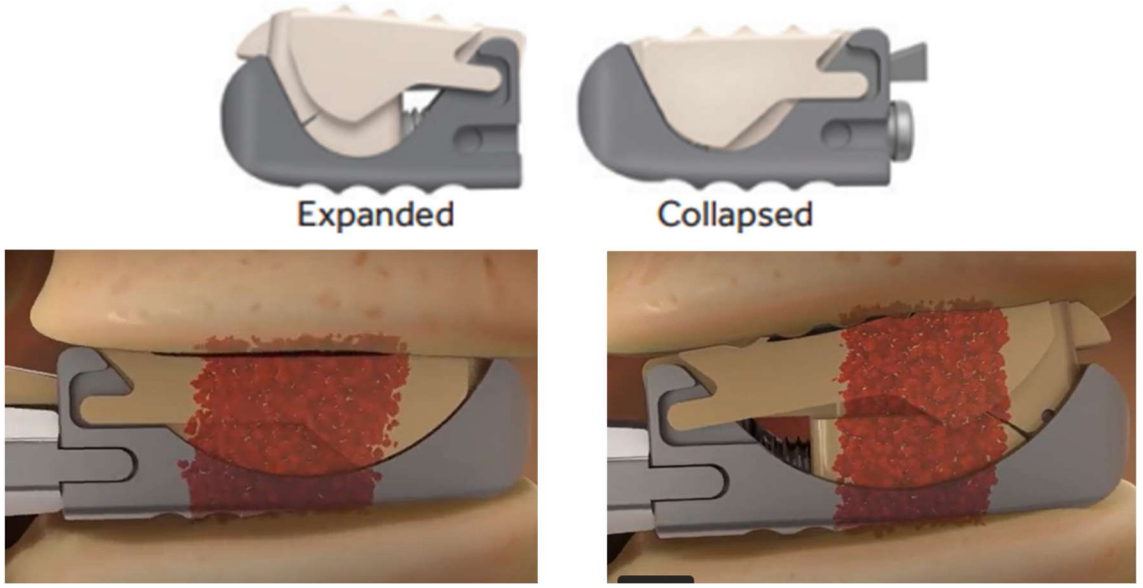
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19K	a wedge extending from a fifth end to a sixth end with an angled wedge surface extending along a portion of a distance between the fifth end and the sixth end and with first and second opposing side surfaces on opposite sides of the angled wedge surface,	The ’633A Accused Instrumentalities include a wedge extending from a fifth end to a sixth end with an angled wedge surface extending along a portion of a distance between the fifth end and the sixth end and with first and second opposing side surfaces on opposite sides of the angled wedge surface. 

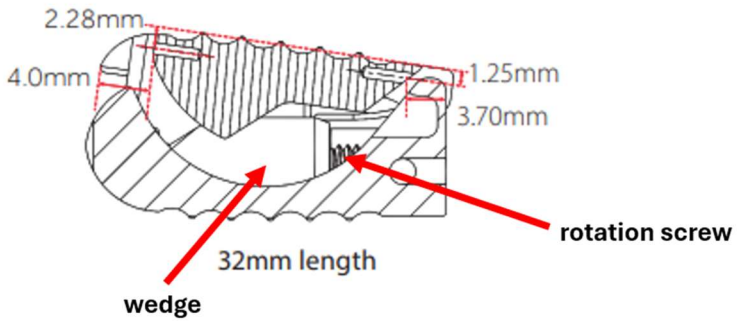
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19L	wherein the wedge is positioned between the first housing and the second housing with the angled wedge surface facing the first interior surface of the first housing,	The wedge is positioned between the first housing and the second housing with the angled wedge surface facing the first interior surface of the first housing.

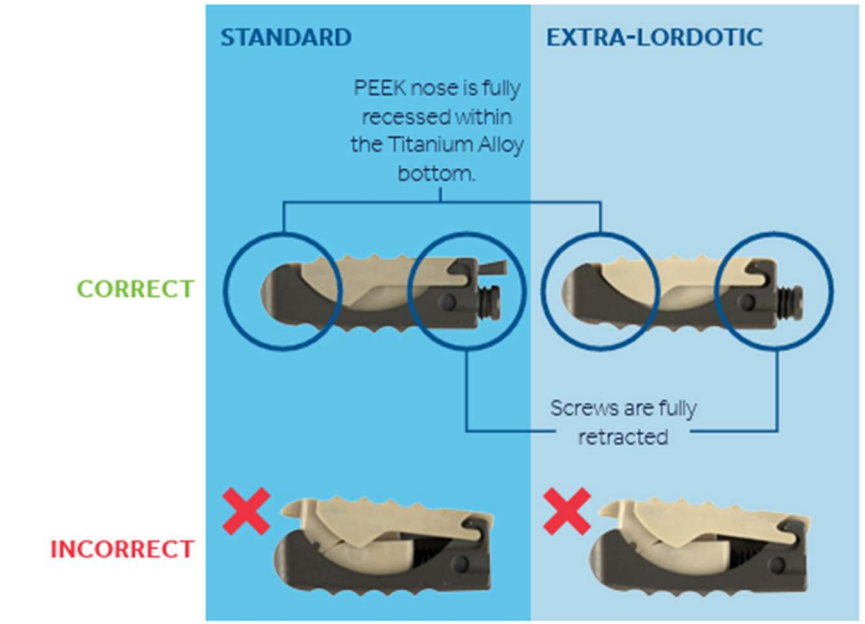
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19M	wherein the first interior surface of the first housing has an angled housing surface shaped to engage the angled wedge	The first interior surface of the first housing has an angled housing surface shaped to engage the angled wedge surface of the wedge, wherein a distance from the fifth end to the sixth end of the wedge is less than a distance from the first end to the second end of the first housing and is less than a distance from the third end to the fourth end of the second housing.

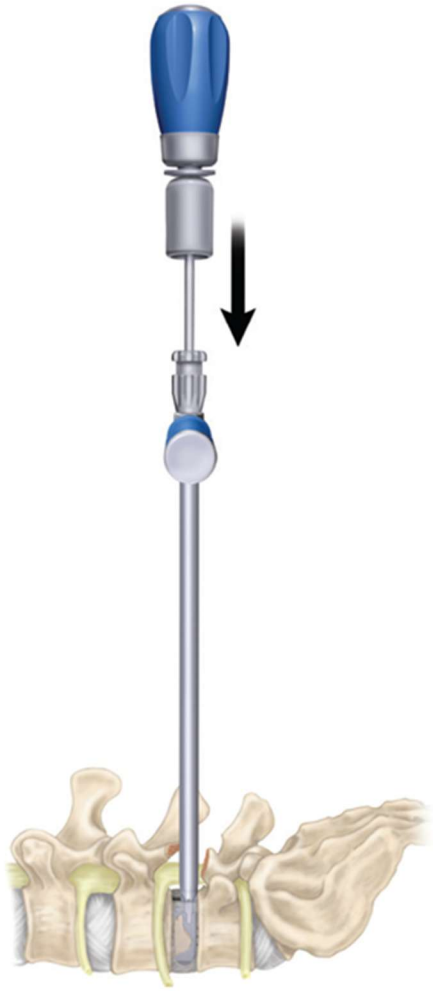
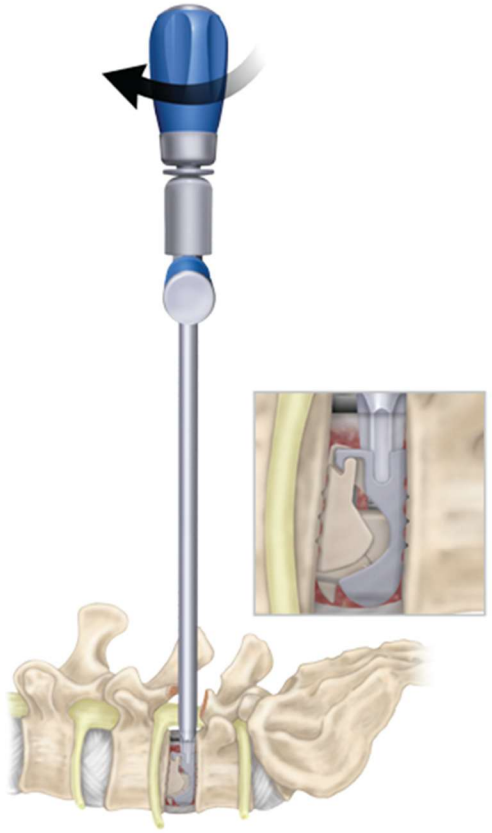
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	surface of the wedge, wherein a distance from the fifth end to the sixth end of the wedge is less than a distance from the first end to the second end of the first housing and is less than a distance from the third end to the fourth end of the second housing,	 *See also* Rows 19A-19B, 19D, 19K. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19N	wherein the wedge is configured to slide within a	The wedge is configured to slide within a spaced defined by the first and second housings in a direction toward the second and fourth ends of the first and second housings from a first wedge

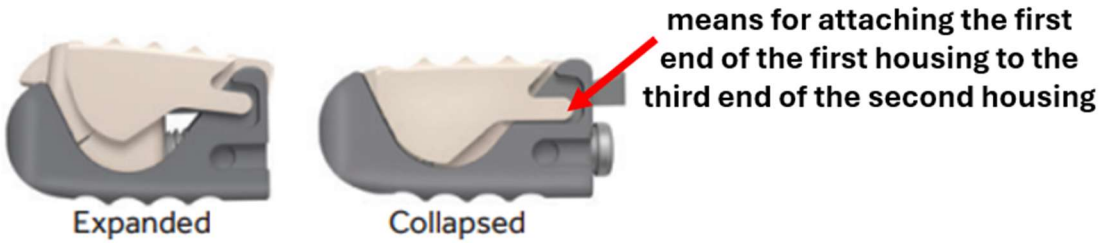
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	space defined between the first and second housings in a direction toward the second and fourth ends of the first and second housings from a first wedge position that allows the first and second housings to pivot to a housing position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the first housing to hingedly open the first housing with respect to the second housing whereby the wedge remains axially confined within the space defined between the first and second housings in the first and second wedge positions; and	position that allows the first and second housings to pivot to a housing position that is substantially closed to a second wedge position whereby the angled wedge surface presses against the first interior surface of the first housing to hingedly open the first housing with respect to the second housing whereby the wedge remains axially confined within the space defined by the first and second housings in the first and second wedge positions. For example, a Medtronic promotional video states that the Elevate Spinal System has "Up to 5mm of anterior expansion." 

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Rows 19A-19B, 19D, 19H, 19L-19M Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
19O	a rotation screw operably connected to the wedge and to the second housing, wherein rotation of the rotation screw	The ’633A Accused Instrumentalities include a rotation screw operably connected to the wedge and to the second housing, wherein rotation of the rotation screw moves the wedge in an axially translating direction with respect to the first housing and the second housing within the

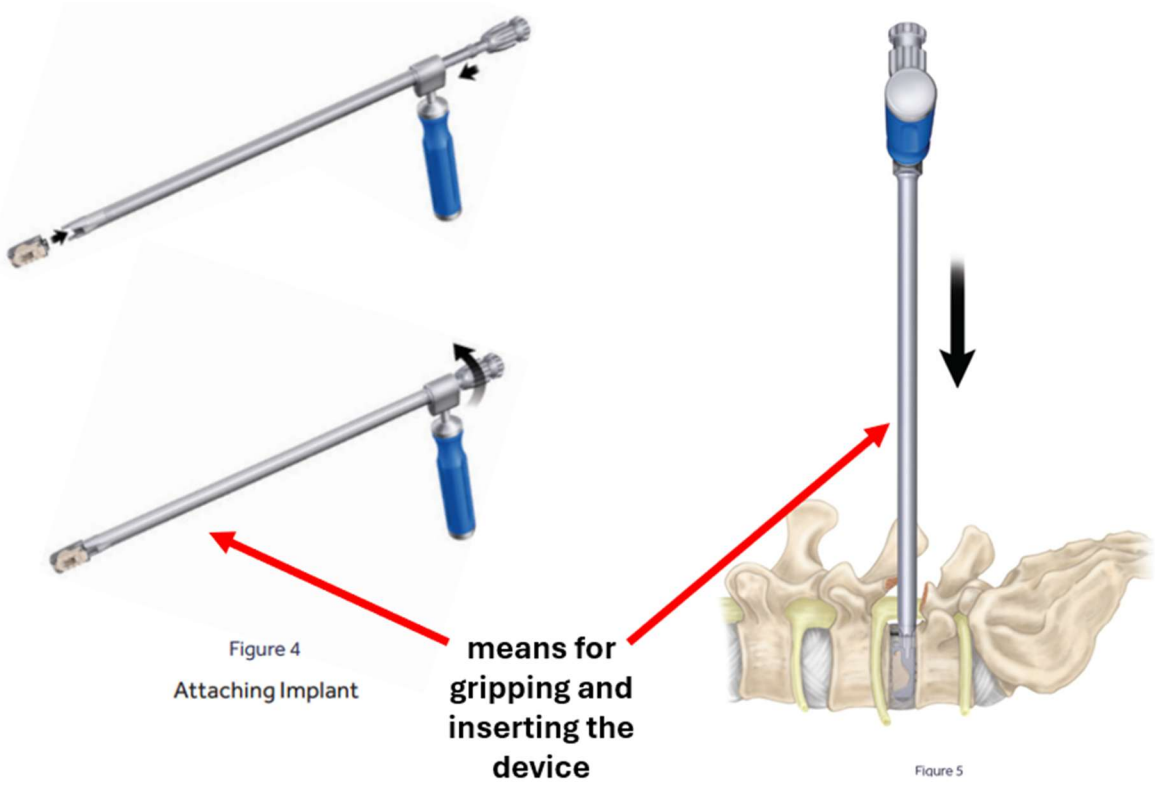
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
	moves the wedge in an axially translating direction with respect to the first housing and the second housing within the space defined between the first and second housings from the first wedge position to the second wedge position.	space defined by the first and second housings from the first wedge position to the second wedge position. For example, Medtronic promotional material instructs users to "Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom" during insertion. This material further states "In order to expand the implant inside the disc space, insert the Inserter Drive Shaft along with the attached Torque Handle inside the Inserter Assembly (Figure 6). Next, turn the Torque Handle clockwise to expand the implant (Figure 7)." 

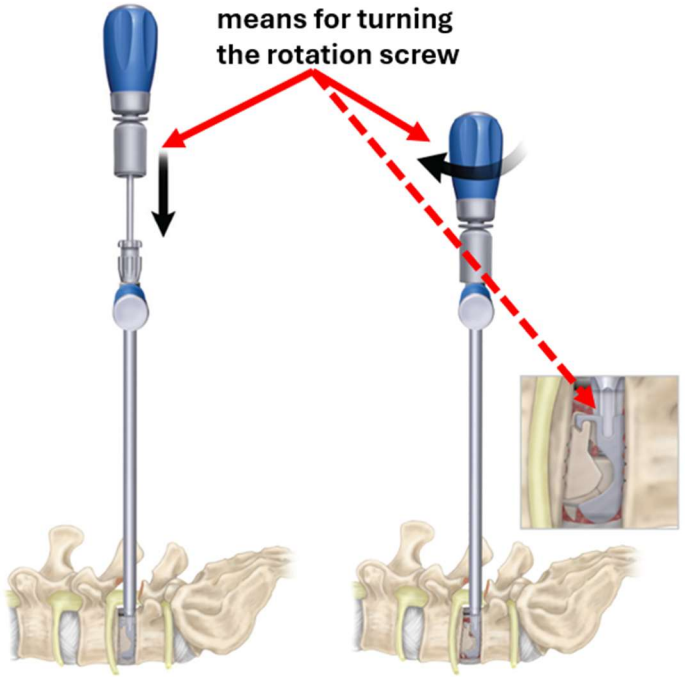
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		ment. tip of the **Note** Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom. 

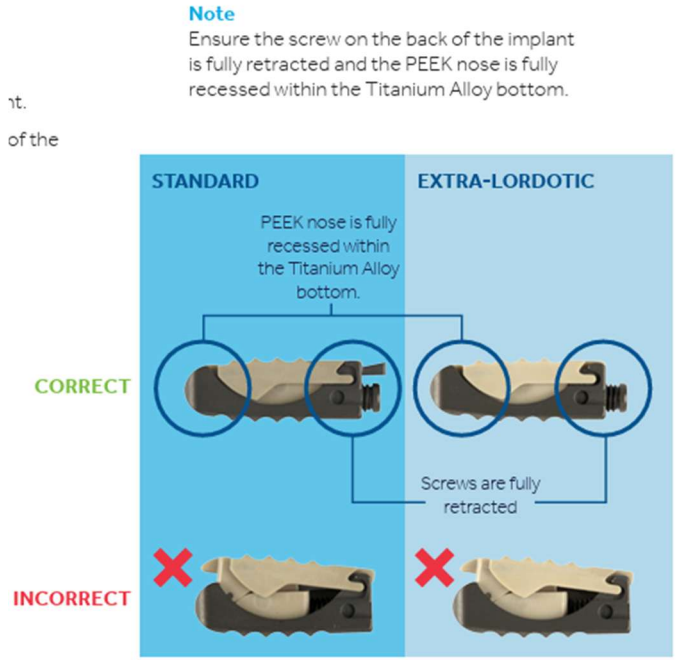
U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Figure 6  Figure 7

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho
Row	**Claim 20**	
20A	A system comprising the device of claim 19, wherein the device further comprises means for attaching the first end of the first housing to the third end of the second housing and wherein the system further comprises:	The '633A Accused Instrumentalities include the limitations of claim 19, as described above. The '633A Accused Instrumentalities include a system that includes the device of claim 19. The device includes means for attaching the first end of the first housing to the third end of the second housing. The system includes the features in Rows 20B-20C below.  *See also* Rows 19A and 19D. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		https://www.youtube.com/watch?v=Jd81epSn7ho
20B	means for gripping and inserting the device; and	The system includes means for gripping and inserting the device. For example, Medtronic promotional material for the Elevate™ Spinal System instructs the user to "Thread the Inner Locking Tube into the Inserter in order to assemble the Inserter Assembly (Figure 3). Next attach the implant to the Inserter by turning the Inner Locking Tube clockwise (Figure 4). It is recommended that the implant be attached to the Inserter so the PEEK portion of the implant with x-ray markers is superior during the insertion. Carefully insert the implant into the disc space (Figure 5). A mallet may be used to facilitate placement. Advance the implant anteriorly so that the leading tip of the implant rests on the anterior apophyseal ring."

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho

U.S. Patent 10,426,633		**Medtronic Infringing Activity[1, 2]**
20C	means for turning the rotation screw with respect to the second movable portion and the wedge.	The system includes means for turning the rotation screw with respect to the second movable portion and the wedge. For example, Medtronic promotional material instructs users to "Ensure the screw on the back of the implant is fully retracted and the PEEK nose is fully recessed within the Titanium Alloy bottom" during insertion. This material further states "In order to expand the implant inside the disc space, insert the Inserter Drive Shaft along with the attached Torque Handle inside the Inserter Assembly (Figure 6). Next, turn the Torque Handle clockwise to expand the implant (Figure 7)."  Figure 6 Figure 7

U.S. Patent 10,426,633		Medtronic Infringing Activity[1, 2]
		 *See also* Claim 19, Row 19O. Exemplary Sources http://www.neurosurgeryresident.net/Op.%20Operative%20Techniques/00.%20Catalogs,%20Brochures,%20Manuals/Medtronic/Spine/Medtronic%20-%20ELEVATE%20(expandable%20cage).pdf https://www.youtube.com/watch?v=Jd81epSn7ho