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15 *Attorneys for Plaintiff RAVIN CROSSBOWS, LLC*

16 **UNITED STATES DISTRICT COURT**

17 **DISTRICT OF NEVADA**

18 RAVIN CROSSBOWS, LLC,

19 Plaintiff,

20 v.

21 HUNTER'S MANUFACTURING
22 COMPANY, INC. d/b/a TENPOINT
23 CROSSBOW TECHNOLOGIES,

24 Defendant.
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Case No. 2:21-cv-02213-GMN-EJY

**PLAINTIFF'S LPR 1-14 PRELIMINARY
CLAIM CONSTRUCTIONS AND
EXTRINSIC EVIDENCE**

Hunter's Manufacturing Company, Inc.
Ex. 1005

1 Pursuant to the Scheduling Order (ECF No. 36) and Local Patent Rule 1-14, Plaintiff Ravin
2 Crossbows, LLC (“Ravin”), by and through its attorneys, proposes the constructions set forth in
3 Exhibit A for the claim terms/phrases identified in Ravin’s LPR 1-13 disclosures, which are
4 directed to those claim terms/phrases “likely to be most significant to resolving the parties’ dispute,
5 including those terms for which construction may be case or claim dispositive.” (*See* LPR 1-13.)
6 Consistent with LPR 1-14, within Exhibit A, Ravin identifies all references from the specifications
7 and prosecution history that support the plain and ordinary meaning it advances as well as
8 designates and produces all supporting extrinsic evidence. But for these claim terms/phrases Ravin
9 identifies in Exhibit A, no other claim terms/phrases are in need of construction, including the
10 approximately 193¹ terms/phrases identified in Defendant’s LPR 1-13 disclosures.

11 As stated in Ravin’s LPR 1-13 disclosures, there are no claim terms/phrases governed by
12 35 U.S.C. § 112(f), eliminating any need for Ravin to provide any alleged structure, act, or material
13 corresponding to the purported function of any particular claim term/phrase.

14 Ravin reserves the right to amend and/or supplement its claim construction positions based
15 on receipt of Defendant’s identification of claim terms/phrases, proposed constructions thereof,
16 and intrinsic and extrinsic evidence in support of the same, and based on any further conference
17 between the parties during the claim construction process.

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 ¹ While there are likely some duplicates in Defendant’s August 10, 2022 LPR 1-13 List of
26 Proposed Claim Terms for Construction, it is difficult to determine exactly how many claim
27 terms/phrases Defendant contends need construction given Defendant’s abject failure to organize
or identify multiple instances of any particular claim term/phrase.

1 Dated: August 22, 2022

Respectfully submitted,

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Exhibit A: Proposed Terms for Claim Construction – Proposed Constructions and Intrinsic and Extrinsic Support

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
1	“mounted to”	<u>'015 Patent:</u> - <i>Claim 1:</i> ○ “a first string guide <u>mounted to</u> the first bow limb” ○ “a second string guide <u>mounted to</u> the second bow limb” - <i>Claim 11:</i> ○ “a first string guide <u>mounted to</u> the first bow limb” ○ “a second string guide <u>mounted to</u> the second bow limb”	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	“The first string guide 316A is mounted to the first bow limb 312A and is rotatable around a first axis 318A.” ('015 Patent, col. 5, ll. 64–65) “The second string guide 316B is mounted to the second bow limb 312A and rotatable around a second axis 318B.” ('015 Patent, col. 6, ll. 5–6) “The string guides 366 are mounted to the bow limb 362 and are rotatable around first and second axis 368A, 368BN ('368'), respectively.” ('015 Patent, col. 6, ll. 34–36) FIGS. 11 and 12 (showing the string guides 316 and 368 rotatably mounted to the bow limbs 312, 368, respectively, where the only degree of freedom shown is rotation. <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>mount</u>.” “10. to fix on or in a support, backing, setting, etc.”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“<u>mount</u>.” “6a. To fix securely to a support”)
	“mounted to”	<u>'379 Patent:</u> - <i>Claim 1:</i> ○ “a first cam <u>mounted to</u> the first flexible limb”	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	See citation above regarding '015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		○ “a second cam <u>mounted to</u> the second flexible limb” - <i>Claim 11:</i> ○ “a first cam <u>mounted to</u> the first flexible limb” ○ “a second cam <u>mounted to</u> the second flexible limb” - <i>Claim 19:</i> ○ “a first cam <u>mounted to</u> the first flexible limb” ○ “a second cam <u>mounted to</u> the second flexible limb”		
	“mounted to”	<u>’936 Patent:</u> - <i>Claim 1:</i> ○ “a first cam <u>mounted to</u> the first bow limb” ○ “a second cam <u>mounted to</u> the second bow limb” - <i>Claim 11:</i> ○ “a first cam <u>mounted to</u> the first flexible limb” ○ “a second cam <u>mounted to</u> the second flexible limb” - <i>Claim 19:</i>	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	See citation above regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		○ “a first cam <u>mounted to</u> the first flexible limb” ○ “a second cam <u>mounted to</u> the second flexible limb”		
	“mounted to”	<u>'073 Patent:</u> - <i>Claim 1:</i> ○ “a first string guide <u>mounted to</u> the first flexible limb” ○ “a second string guide <u>mounted to</u> the second flexible limb” - <i>Claim 11:</i> ○ “a first string guide <u>mounted to</u> the first flexible limb” ○ “a second string guide <u>mounted to</u> the second flexible limb” - <i>Claim 15:</i> ○ “a first string guide <u>mounted to</u> the first flexible limb” ○ “a second string guide <u>mounted to</u> the second flexible limb” - <i>Claim 31:</i> ○ “The crossbow of claim 1 comprising an optical	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	See citation above regarding '015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		scope mounted to a scope mount on the crossbow”		
	“mounted to”	<u>'118 Patent:</u> - <i>Claim 1:</i> ○ “a first string guide having a first axle engaged with a first bearing located in a first axle mount <u>mounted to</u> the first flexible limb” ○ “a second string guide having a second axle engaged with a second bearing located in a second axle mount <u>mounted to</u> the second flexible limb” - <i>Claim 11:</i> ○ “a first string guide having a first axle engaged with a first bearing located in a first axle mount <u>mounted to</u> the first flexible limb” ○ “a second string guide having a second axle engaged with a second bearing located in a second axle mount	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	See citation above regarding '015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		<u>mounted to</u> the second flexible limb” - Claim 19: ○ “a first string guide <u>mounted to</u> the first flexible limb” ○ “a second string guide <u>mounted to</u> the second flexible limb”		
	“mounted to”	<u>’728 Patent:</u> - Claim 10: ○ “a first string guide <u>mounted to</u> the first flexible limb” ○ “a second string guide <u>mounted to</u> the second flexible limb”	Plain and ordinary meaning such as: “mounted to allow only rotation about a fixed axis.”	See citation above regarding ’015 Patent
2	“power cable take-up journal”	<u>’015 Patent:</u> - Claim 1: ○ “first helical <u>power cable take-up journal</u>” ○ “a second helical <u>power cable take-up journal</u>” - Claim 11: ○ “a first <u>power cable take-up journal</u>” ○ “a second <u>power cable take-up journal</u>”	Plain and ordinary meaning such as: “a structure configured to receive at least one cable.”	“The helical journals 122 displace the power cables 102 away from the draw string 114 as the bow is drawn from the released configuration 116 to the drawn configuration 118. <u>Height 140</u> of the helical journals 122 raises the power cables 102 above top surface 142 of the string guides 104.” (’015 Patent, col. 4, ll. 50–55) “The power cable take-up 272 has a surface 274 with a height 276 at least twice a diameter 278 of the power cable 102. In another embodiment, the surface 274 has a height 276 at least three times the 15 diameter 278 of the power cable 102” (’015 Patent, col. 5, ll. 12–16)

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
				“[T]he increased length of the helical journals 122 permits the power stroke of the bow to be increased. The power stroke 132 can be increased by at least 25%, and preferably by 40% or more, without changing the diameter of the string guides 104. Specification, para. [0035]. In the embodiment of Figure 9A, the helical journals 204 permits the power cables 102 to wrap around about two full turns or about 720 degrees. The extended power cable take-up 202 increases the gap 206 between the power cables 102 and top surface 208 of the string guide 200 and provides excess capacity to accommodate more than 360 degrees of rotation of the string guides 200. Specification, para. [0038].” (’015 Patent File Wrapper, Applicant Remarks dated Jan. 4, 2016 in reply to Office Action dated Dec. 11, 2015, pp. 8–9 (RAVIN-0003558 at RAVIN-0003715-16))
	“power cable take-up journal”	<u>’379 Patent:</u> - <i>Claim 1:</i> ○ “a first upper <u>power cable take-up journal</u>” ○ “a first lower <u>power cable take-up journal</u>” ○ “a second upper <u>power cable take-up journal</u>” ○ “a second lower <u>power cable take-up journal</u>” - <i>Claim 11:</i> ○ “a first helical <u>power cable take-up journal</u>”	Plain and ordinary meaning such as: “a structure configured to receive at least one cable.”	See citation above regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		○ “a second helical <u>power cable take-up journal</u>” - <i>Claim 19:</i> ○ “a first <u>power cable take-up journal</u>” ○ “a second <u>power cable take-up journal</u>”		
	“power cable take-up journal”	<u>’936 Patent:</u> - <i>Claim 1:</i> ○ “a first upper <u>power cable take-up journal</u>” ○ “a first lower <u>power cable take-up journal</u>” ○ “a second upper <u>power cable take-up journal</u>” ○ “a second lower <u>power cable take-up journal</u>” - <i>Claim 11:</i> ○ “a first helical <u>power cable take-up journal</u>” ○ “a second helical <u>power cable take-up journal</u>” - <i>Claim 19:</i> ○ “a first <u>power cable take-up journal</u>” ○ “a second <u>power cable take-up journal</u>”	Plain and ordinary meaning such as: “a structure configured to receive at least one cable.”	See citation above regarding ’015 Patent
	“power cable journal”	<u>’073 Patent:</u> - <i>Claim 1:</i>	Plain and ordinary meaning such as: “a	See citation above regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		“first upper and lower helical <u>power cable journals</u>” “second upper and lower helical <u>power cable journals</u>” - <i>Claim 11:</i> “first upper and lower <u>power cable journals</u>” “second upper and lower <u>power cable journals</u>” - <i>Claim 15:</i> “first upper and lower <u>power cable journals</u>” “second upper and lower <u>power cable journals</u>”	structure configured to receive at least one cable.”	
	“power cable journals”	<u>’118 Patent:</u> - <i>Claim 1:</i> “first upper and lower helical <u>power cable journals</u>” “second upper and lower helical power cable journals” - <i>Claim 11:</i> “first upper and lower <u>power cable journals</u>” “second upper and lower <u>power cable journals</u>”	Plain and ordinary meaning such as: “a structure configured to receive at least one cable.”	See citation above regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		- Claim 19: - o “first upper and lower helical <u>power cable journals</u>” - o “second upper and lower helical <u>power cable journals</u>”		
	“power cable journals”	<u>’728 Patent:</u> - Claim 10: - o “first upper and lower helical <u>power cable journals</u> on opposite sides of the first draw string journal each comprising a path that is helical to the first plane of rotation” - o “second upper and lower helical <u>power cable journals</u> on opposite sides of the second draw string journal each comprising a path that is helical to the second plane of rotation”	Plain and ordinary meaning such as: “a structure configured to receive at least one cable.”	See citation above regarding ’015 Patent
3	“upper and lower surfaces”	<u>’379 Patent:</u> - Claim 7: - o “power cable attachments extending above <u>upper and lower surfaces</u> of the first and second cams”	Plain and ordinary meaning such as: “the cam surface from which the power cable attachment extends (i.e., not a top surface	“Height 140 of the helical journals 122 raises the power cables 102 above top surface 142 of the string guides 104.” (’015 Patent, col. 4, ll. 53–55) “The extended power cable take-up 202 increases the gap 206 between the power cables 102 and top surface 208 of the string guide 200 and provides

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
			of the power cable attachment itself)."	excess capacity to accommodate more than 360 degrees of rotation of the string guides 200." ('015 Patent, col. 4, l. 66–col. 5, l. 3) "In another embodiment, the surface 274 has a height 276 at least three times the diameter 278 of the power cable 102. Biasing force 280, such as from a cable guard located on the bow shifts the power cables 102 along the surface 27 4 away from top surface 282 of the string guide 270 when in the drawn configuration 284." ('015 Patent, col. 5, ll. 14–19) <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>surface</u>:” “1. the outer face, outside, or exterior boundary of a thing; outermost or uppermost layer or area, 2. any face of a body or thing: <i>the six surfaces of a cube</i>. 3. extent or area of outer face; superficial area”) NEW OXFORD AMERICAN DICTIONARY (3d ed., 2010) (“<u>surface</u>:” “1. the outside part or uppermost layer of something,” “2. a continuous set of points that has a length and a breadth but no thickness”) COLLINS DICTIONARY (10th ed., 2009) (“<u>surface</u>:” “1a the exterior face of an object or one such face”)
	“upper and lower surfaces”	<u>'936 Patent:</u> - <i>Claim 7:</i>	Plain and ordinary meaning such as: “the cam surface from	See above citation regarding '379 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		“power cable attachments extending above upper and lower surfaces of the first and second cams, respectively”	which the power cable attachment extends (i.e., not a top surface of the power cable attachment itself).”	
4	“extending away from”	’379 Patent: - Claim 11: “first and second flexible limbs attached to, and extending away from, a center rail” - Claim 19: “first and second flexible limbs attached to, and extending away from, a center rail”	Plain and ordinary meaning such as: “at least a portion of a first member extending in a direction that diverges from a second member.”	“First and second flexible limbs 312A, 312B (‘312’) are attached to the riser 310 and extend from opposite sides of the center portion 304.” (’015 Patent, col. 5, ll. 57–59) “First and second flexible limbs 362A, 362B (‘362’) are attached to riser 360 and extend from opposite sides of the center portion 354.” (’015 Patent, col. 6, ll. 28–30) Extrinsic Sources: WEBSTER’S COLLEGE DICTIONARY (2005) (“away:” “1. from this or that place; off;” “extend:” “4. to make longer, as to reach a particular point”) AMERICAN HERITAGE DICTIONARY 1 (5th ed., 2011) (“away:” “1. From a particular thing or place;” “extend:” “1a. To cause (something) to be longer, wider, or cover more area”) COLLINS DICTIONARY (10th ed., 2009) (“away:” “1. from a particular place; off;” “extend” “1. To draw out or be drawn out: stretch”)

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
	“extending away from”	<u>’936 Patent:</u> - <i>Claim 11:</i> ○ “first and second flexible limbs attached to, and <u>extending away from</u>, a riser” - <i>Claim 19:</i> ○ “first and second flexible limbs attached to, and <u>extending away from</u>, a riser”	Plain and ordinary meaning such as: “at least a portion of a first member extending in a direction that diverges from a second member.”	See citation above regarding ’379 Patent
5	“extending in a direction perpendicular to the respective planes of rotation”	<u>’379 Patent:</u> - <i>Claim 15:</i> ○ “the first and second helical power cable take-up journals comprise upper and lower helical power cable take-up journals on each of the first and second cams <u>extending in a direction perpendicular to the respective plane of rotation</u> of the first and second cams”	Plain and ordinary meaning such as: “extend in either of the two directions perpendicular to the respective plane of rotation.”	“The axes of rotation 146A, 146B (‘146’) of the first and second helical journals 122 preferably extend generally perpendicular to a plane of rotation of the first and second string guides 104. The helical journals 122 displace the power cables 102 away from the draw string 114 as the bow is drawn from the released configuration 116 to the drawn configuration 118.” (’015 Patent, col. 4, ll. 47–53) “The first string guide 316A includes a first draw string journal 320A and a first power cable take-up journal 322A, both of which are oriented generally perpendicular to the first axis 318A. (See e.g., FIG. 8).” (’015 Patent, col. 5, l. 65–col. 6, l. 2) “The string guides 366 include first and second draw string journals 370A, 370B (‘370’) and first and second power cable take-up journals 372A, 372B (‘372’), both of which are oriented generally

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
				perpendicular to the axes 368, respectively. (<i>See e.g., FIG. 8</i>).” (’015 Patent, col. 6, ll. 36–40) <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>extend</u>.” “4. to make longer, as to reach a particular point;” “<u>perpendicular</u>.” “2. meeting a given line or surface at right angles;” “<u>plane</u>.” “1. a flat or level surface,” “3. an area of two-dimensional surface having determinate extension and spatial direction or position”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“<u>extend</u>.” “1a. To cause something to be longer, wider, or cover more area;” “<u>perpendicular</u>.” “1. <i>Mathematics</i> Intersecting at or forming right angles;” “<u>plane</u>.” “1. <i>Mathematics</i> A surface containing all the straight lines that connect any two points on it,” “2. A flat or level surface”)
	“extending in a direction perpendicular to the respective planes of rotation”	<u>’936 Patent:</u> - <i>Claim 15:</i> ○ “the first and second helical power cable take-up journals comprise upper and lower helical power cable take-up journals on each of the first and second cams <u>extending in a direction perpendicular to the respective plane of</u>	Plain and ordinary meaning such as: “extend in either of the two directions perpendicular to the respective plane of rotation.”	<i>See</i> citation above regarding ’379 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		rotation of the first and second cams”		
6	“pass under”	’379 Patent: - Claim 7: ○ “the power cable attachments pass under the respective upper and lower power cables” - Claim 13: ○ “the power cable attachments pass under the respective power cables”	Plain and ordinary meaning such as: “pass between the power cable and the surface of the cam where the power cable is attached.”	“The helical journals 122 displace the power cables 102 away from the drawstring 114 as the bow is drawn from the released configuration 116 to the drawn configuration 118. Height 140 of the helical journals 122 raises the power cables 102 above top surface 142 of the string guides 104. The resulting gap 144 permits the first attachment points 106 and the power cable take-ups 112 to pass freely under the power cables 102.” (’015 Patent, col. 4, ll. 50–57) “[T]he helical journals 122 serve to displace the power cables 102 away from the string guides 104, so the first attachment points 106 do not contact the power cables 102 while the bow is being drawn (see Figures 7 and 8). Specification, para. [0034]. Second, the resulting gap 144 permits the first attachment points 106 and the power cable take-ups 112 to pass freely under the power cables 102. Specification, para. [0037].” (’015 Patent File Wrapper, Applicant Remarks dated Jan. 4, 2016 in reply to Office Action dated Dec. 11, 2015, p. 8 (RAVIN-0003558 at RAVIN-0003715).) Extrinsic Sources: WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>pass</u>.” “1. to move past; go by”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“<u>pass</u>.” “3a. To move by or in front of something”)

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
	"pass under"	'936 Patent: - Claim 7: ○ "the power cable attachments <u>pass under</u> the respective upper and lower power cables" - Claim 13: ○ "the power cable attachments <u>pass under</u> the respective power cables"	Plain and ordinary meaning such as: "pass between the power cable and the surface of the cam where the power cable is attached."	See citation above regarding '379 Patent
	"pass under"	'073 Patent: - Claim 4: ○ "the power cable attachments <u>pass under</u> the respective first and second pairs of power cables" - Claim 14: ○ "the power cable attachments <u>pass under</u> the respective first and second pairs of power cables" - Claim 18: ○ "the power cable attachments <u>pass under</u> the respective first and	Plain and ordinary meaning such as: "pass between the power cable and the surface of the cam where the power cable is attached."	See citation above regarding '379 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		second pairs of power cables”		
	“pass under”	<u>’118 Patent:</u> - <i>Claim 4:</i> ○ “the power cable attachments <u>pass under</u> the respective first and second pairs of power cables”	Plain and ordinary meaning such as: “pass between the power cable and the surface of the cam where the power cable is attached.”	See citation above regarding ’379 Patent
	“pass under”	<u>’728 Patent:</u> - <i>Claim 11:</i> ○ “the respective first ends of the pairs of power cables <u>pass under</u> the respective first and second pairs of power cables”	Plain and ordinary meaning such as: “pass between the power cable and the surface of the cam where the power cable is attached.”	See citation above regarding ’379 Patent
7	“first ends”	<u>’015 Patent:</u> - <i>Claim 2:</i> ○ “the first and second power cables include <u>first ends</u> secured to the first and second string guides, respectively” - <i>Claim 12:</i> ○ “the first and second power cables include <u>first ends</u> secured to the	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable extending from a point at which the power cable terminates.”	“First power cable 168A is secured to the first string guide 158A at first attachment point 170A and engages with a power cable take-up with a helical journal 172A (see FIGS. 7 and 8) as the bow 150 is drawn. . . . The other end of the first power cable 168A is secured to the axle 160B.” (’015 Patent, col. 5, ll. 36–42) “Second power cable 168B is secured to the second string guide 158B at first attachment point 170B and engages with a power cable take-up with a helical journal 172B (see FIGS. 7 and 8) as the

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		first and second string guides, respectively”		bow 150 is drawn. . . . The other end of the second power cable 168B is secured to the axle 160A.” (’015 Patent, col. 5, ll. 43–49) <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>end</u>:” “1. the last part, lengthwise, of anything that is longer than it is wide; the end of a rope”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“<u>end</u>” “1. Either extremity of something that has length”) COLLINS DICTIONARY (10th ed., 2009) (“<u>end</u>:” “1 the extremity of the length of something, such as a road, line, etc.,” “6a the last section or part”)
	“first ends”	<u>’379 Patent:</u> - <i>Claim 7:</i> ○ “wherein <u>first ends</u> of the upper and lower power cables are attached to power cable attachments extending above upper and lower surfaces of the first and second cams, respectively” - <i>Claim 13:</i> ○ “wherein <u>first ends</u> of the power cables are attached to power cable	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable extending from a point at which the power cable terminates.”	See above citation regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		attachments located on surfaces of the first and second cams, respectively”		
	“first ends”	<u>’936 Patent:</u> - <i>Claim 7:</i> ○ “wherein <u>first ends</u> of the upper and lower power cables are attached to power cable attachments extending above upper and lower surfaces of the first and second cams, respectively” - <i>Claim 13:</i> ○ “wherein <u>first ends</u> of the power cables are attached to power cable attachments located on surfaces of the first and second cams, respectively”	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable extending from a point at which the power cable terminates.”	See above citation regarding ’015 Patent
	“first ends”	<u>’073 Patent:</u> - <i>Claim 1:</i> ○ “a pair of first power cables having <u>first ends</u> received in the first upper and lower helical power cable journals”	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable extending from a point at which the power cable terminates.”	See above citation regarding ’015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		○ “a pair of second power cables having <u>first ends</u> received in the second upper and lower helical power cable journals” - <i>Claim 11:</i> ○ “a pair of first power cables having <u>first ends</u> received in the first upper and lower power cable journals” ○ “a pair of second power cables having <u>first ends</u> received in the second upper and lower power cable journals” - <i>Claim 15:</i> ○ “a pair of first power cables having <u>first ends</u> received in the first upper and lower power cable journals” ○ “a pair of second power cables having <u>first ends</u> received in the second upper and lower power cable journals”		
	“first ends”	<u>'118 Patent:</u> - <i>Claim 1:</i> ○ “a pair of first power cables having <u>first ends</u>	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable	See above citation regarding '015 Patent

Term #	Term for Construction	Claim Language	Proposed Construction	Citation
		received in the first upper and lower helical power cable journals” ○ “a pair of second power cables having <u>first ends</u> received in the second upper and lower helical power cable journals”	extending from a point at which the power cable terminates.”	
	“first ends”	<u>’728 Patent:</u> - <i>Claim 10:</i> ○ “a pair of first power cables having <u>first ends</u> received in the first upper and lower power cable journals” ○ “a pair of second power cables having <u>first ends</u> received in the second upper and lower power cable journals”	Plain and ordinary meaning such as: “a length (e.g., portion) of the power cable extending from a point at which the power cable terminates.”	See above citation regarding ’015 Patent
8	“central portion”	<u>’015 Patent:</u> - <i>Claim 2:</i> ○ “second ends [of the first and second power cables] secured to the <u>central portion</u> of the crossbow” - <i>Claim 12:</i> ○ “second ends [of the first and second power cables]	Plain and ordinary meaning such as: “a portion of the crossbow proximate the center of the crossbow between the limbs (i.e., including the riser).”	“The crossbow 300 includes a center portion 304 with down-range side 306 and up-range side 308. In the illustrated embodiment, the center portion 304 includes riser 310.” (’015 Patent, col. 5, ll. 54–56) <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>central:</u>” “1. of or forming the center, 2. in, at, or near the center;”

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		secured to the central portion of the crossbow”		“portion:” “1. a part of a whole, either separated from or integrated with it; segment”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“central:” “1. Situated at, in, or near the center, 2. Forming the center;” “portion:” “1. A section or quantity within a larger thing; a part of a whole”) COLLINS DICTIONARY (10th ed., 2009) (“central:” “1 in, at, of, from, containing, or forming the centre of something;” “portion:” “1 a part of a whole, fraction”)
9	“drawing configuration”	’015 Patent: - Claim 8: ○ “from the released configuration to the drawing configuration” - Claim 9: ○ “from the released configuration to the drawing configuration”	“drawn configuration”	Typographical error. <i>See</i> ’015 Patent at Abstract (“from the released configuration to the drawn configuration”); col. 1, ll. 41-42; col. 2, ll. 22-23; col. 2, ll. 26-27; col. 2, ll. 29-30; col. 2, ll. 42-43; col. 2, ll. 57-58; col. 2, ll. 60-61; col. 2, ll. 66-67; col. 4, ll. 53-54; col. 6, ll. 22-23; col. 6, ll. 55-56; ’015 Patent File Wrapper (RAVIN-0003558-RAVIN-0003799)
10	“cross over”	’015 Patent: - Claim 3: ○ “the first and second power cables do not cross over the central portion” - Claim 13:	Plain and ordinary meaning such as: “extend from one side of a structure, member, or portion to another side of the structure, member, or portion.”	FIG. 12 showing (a) power cable 374A terminating at anchor 378A and not extending from one side of center support 354 to another side of center support 354; and (b) power cable 374B terminating at anchor 378B and not extending from one side of center support 354 to another side of center support 354.

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		“the first and second power cables do not <u>cross over</u> the central portion”		“Opposite ends 380A, 380B (‘380’) of the power cables 374 are attached to anchors 378A, 378B (‘378’) on the center portion 354. The power cables 374 preferably do not cross over the center support 354.” (’015 Patent, col. 6, ll. 47–51) <u>Extrinsic Sources:</u> WEBSTER’S COLLEGE DICTIONARY (2005) (“<u>cross</u>:” “34. to move, pass, or extend from one side or place to another;” “<u>over</u>:” “24. from one side or place to another or across an intervening space”) AMERICAN HERITAGE DICTIONARY (5th ed., 2011) (“<u>cross</u>:” “6. A movement from one place to another;” “<u>over</u>:” “<i>adv.</i> 2. Across to another or opposite side”). COLLINS DICTIONARY (10th ed., 2009) (“<u>cross</u>:” “20 (sometimes followed by over) to move or go across (something); traverse or intersect;” “<u>over</u>:” “15 at or to a point across intervening space, water, etc.”)
	“cross over”	<u>’379 Patent:</u> - <i>Claim 10:</i> “the upper and lower power cables do not <u>cross over</u> the center rail” - <i>Claim 14:</i>	Plain and ordinary meaning such as: “extend from one side of a structure, member, or portion to another side of the structure, member, or portion.”	See above citation regarding ’015 Patent

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		“the power cables do not <u>cross over</u> the center rail”		
	“cross over”	<u>’936 Patent:</u> - <i>Claim 10:</i> “wherein the upper and lower power cables do not <u>cross over</u> the riser” - <i>Claim 14:</i> “the upper and lower power cables do not <u>cross over</u> the riser”	Plain and ordinary meaning such as: “extend from one side of a structure, member, or portion to another side of the structure, member, or portion.”	See above citation regarding ’015 Patent
11	“first and second power cables”	<u>’118 Patent:</u> - <i>Claim 11:</i> “<u>first and second power cables</u> received in the first and second upper and lower power cable journals, respectively”	Plain and ordinary meaning such as: “first power cables and second power cables, where the first power cables includes two power cables and the second power cables includes two power cables.”	“Power cables 374 are attached to the string guides 316 at attachment points 376A, 376B (‘376’). See FIG. 4. Opposite ends 380A, 380B (‘380’) of the power cables 374 are attached to anchors 378A, 378B (‘378’) on the center portion 354. The power cables 374 preferably do not cross over the center support 354.” (’015 Patent, col. 6, ll. 46–51)