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(71) Applicant: **EDWARDS LIFESCIENCES INNOVATION (ISRAEL) LTD.** [IL/IL]; 17 HaTochen St., Granit Campus, Caesarea Business Park, 3079892 Caesarea (IL).

(72) Inventors: **GUERRERO, Mauricio**; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, California 92614 (US). **FRANCIS, Meena**; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, California 92614 (US). **TAYLOR, David M.**; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, California 92614 (US). **HALL, Lindsay Marie**; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, California 92614 (US).

(74) Agent: **KAYE, Paul**; IPK Intellectual Property Ltd., Migdal HaMenorah 11, 7176051 Modiin (IL).

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(54) Title: TISSUE-CONTRACTING IMPLANTS FOR HEART VALVES

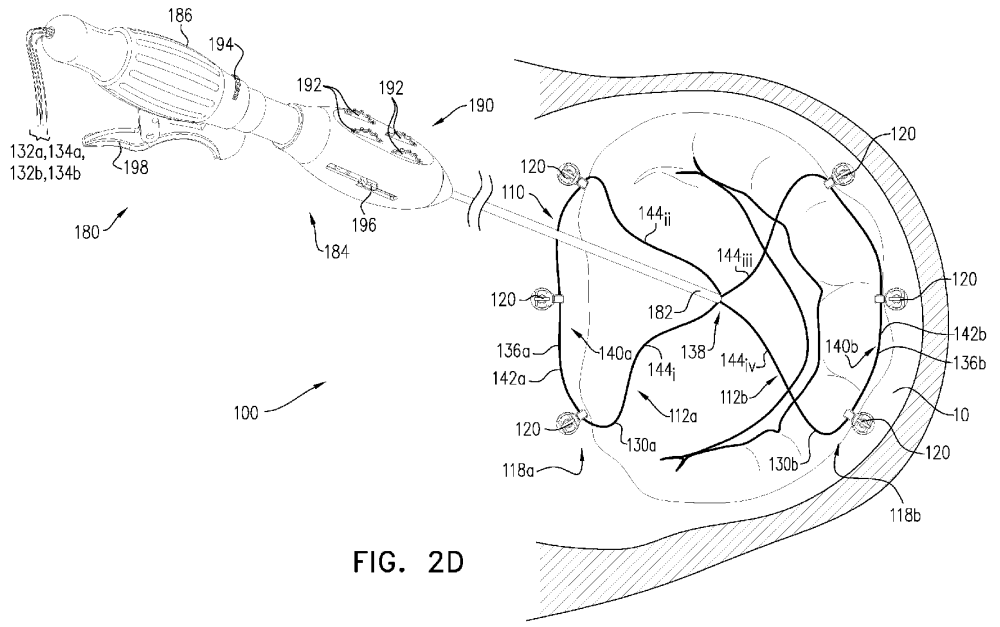


FIG. 2D

(57) Abstract: A system, for use at a valve between an atrium and a ventricle of a heart, includes a catheter (170), a first subassembly (112a), a second subassembly (112b), and a tool (180). The catheter is transluminally advanceable to the heart. Each of the subassemblies includes (i) a tether (130a, 130b) that has two end portions (132a, 132b, 134a, 134b) and a bight (136a, 136b) therebetween, and is advanceable, bight-first, distally out of the catheter and into the heart; and (ii) a set (118a, 118b) of anchors (120) configured to anchor the bight to tissue of the heart such that the anchors are slidably coupled to the bight in a series. The tool is slidable over both end portions of both tethers toward both bights, and is configured to selectively apply tension to each tether by selectively pulling each of the end portions. Other embodiments are also described.

[Continued on next page]

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