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[Continued on next page]

(54) Title: HYDRAULIC VITRECTOMY PROBE

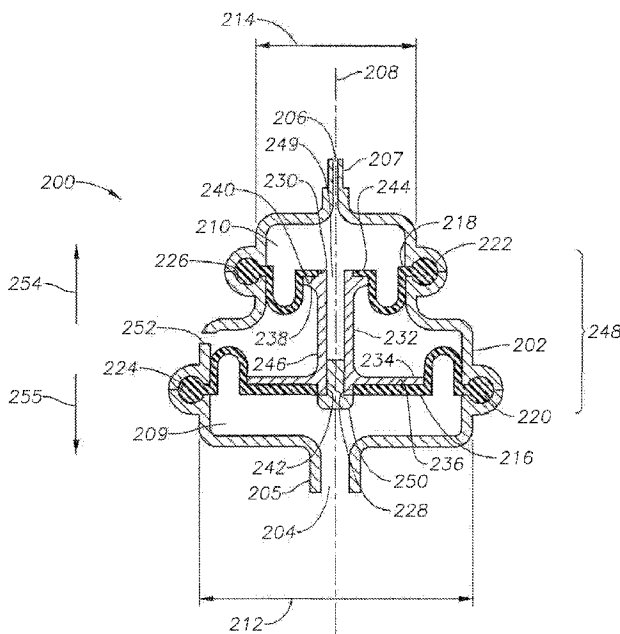


Fig. 2

(57) Abstract: Hydraulic vitrectomy probes and methods and systems associated therewith are discussed. Example hydraulic vitrectomy probes may include a pressure multiplier that is operable to output a hydraulic pressure at a multiple of a received pneumatic pressure. Because of the incompressible nature of liquid, hydraulic vitrectomy probes are, among other things, more responsive, may be operated at higher cutting rates, provide improved patient safety, and have a form factor (e.g., size and/or shape) that may be more easily maneuvered by a surgeon.



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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 17/32 (2012.01)

USPC - 606/170

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0185512 A1 (KIRCHHEVEL) 09 August 2007 (09.08.2007) entire document	1-13
Y	US 2009/0030436 A1 (CHARLES) 29 January 2009 (29.01.2009) entire document	1-26
Y	US 5,554,011 A (BALES et al) 10 September 1996 (10.09.1996) entire document	1-26
A	US5,669,923 A (GORDON) 23 September 1997 (23.09.1997) entire document	1-26

Further documents are listed in the continuation of Box C.

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