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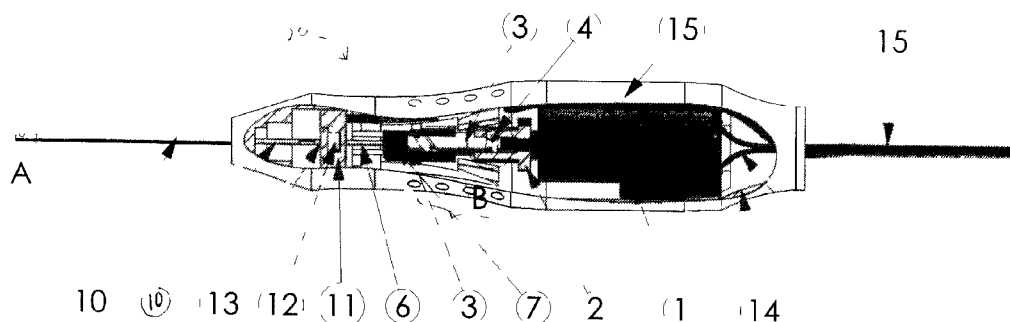
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(54) Title: DISPOSABLE VITRECTOMY HANDPIECE



(57) Abstract: Electric vitrectomy handpieces are provided. The handpiece includes a motor, a clutch mechanism, an oscillating drive mechanism, a cutting tip and a handle. The motor is attached to the clutch, and the clutch is attached to the oscillating drive mechanism. When the motor is operational, the clutch expands to engage the oscillating drive mechanism and the oscillating drive mechanism converts the rotational motion of the clutch to the reciprocating motion of the cutting tip. When the motor is at rest, the clutch retracts to allow aspiration.

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A CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61B 17/32 (2008.04) USPC - 606/167 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) IPC(8) - A61B 17/32 (2008 04) USPC - 606/167 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 606/170 604/22 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST(USPT,PGPB,EPAB,JPAB), Google Scholar vitreous cutter, vitrectomy, clutch, engage cutter, disengage/release cutter, motor, aspiration, rubber, insulation, insulator, foam, silicone, surgical cutter, cutter																	
C DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 4,909,249 A (AKKAS et al) 20 Mar 1990 (20 03 1990), col 1, ln 39-44, col 2, ln 16-18, col 3, ln 9-33 and FIGS 1 & 2</td> <td>1-16</td> </tr> <tr> <td>Y</td> <td>US 6,258,111 B1 (ROSS et al) 10 Jul 2001 (10 07 2001), col 6, ln 1-5, col 8, ln 1-2, col 7, ln 50-55, col 13, ln 55-58 and FIG 1</td> <td>1-18</td> </tr> <tr> <td>Y</td> <td>US 2006/0281599 A1 (MURAKAMI et al) 14 Dec 2006 (14 12 2006), para [0033]</td> <td>17 and 18</td> </tr> <tr> <td>Y</td> <td>US 2005/0256512 A1 (DEL RIO et al) 17 Nov 2005 (17 11 2005), para [0056]</td> <td>13-16</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	Y	US 4,909,249 A (AKKAS et al) 20 Mar 1990 (20 03 1990), col 1, ln 39-44, col 2, ln 16-18, col 3, ln 9-33 and FIGS 1 & 2	1-16	Y	US 6,258,111 B1 (ROSS et al) 10 Jul 2001 (10 07 2001), col 6, ln 1-5, col 8, ln 1-2, col 7, ln 50-55, col 13, ln 55-58 and FIG 1	1-18	Y	US 2006/0281599 A1 (MURAKAMI et al) 14 Dec 2006 (14 12 2006), para [0033]	17 and 18	Y	US 2005/0256512 A1 (DEL RIO et al) 17 Nov 2005 (17 11 2005), para [0056]	13-16
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Name and mailing address of the ISA/US Mail Stop PCT, Attn ISA/US, Commissioner for Patents P O Box 1450, Alexandria, Virginia 22313-1450 Facsimile No 571-273-3201		Authorized officer Lee W Young PCT H&Pd Psk 571-272-4300 PCT OSP 571-272 7774															