(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 January 2012 (05.01.2012)

PCT

(10) International Publication Number
WO 2012/003383 A1

(51) International Patent Classification:
A61B 17/32 (2006.01)

(21) International Application Number:
PCT/US2011/042686

(22) International Filing Date:
30 June 2011 (30.06.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/360,429 30 June 2010 (30.06.2010) US
61/377,883 27 August 2010 (27.08.2010) US

(71) Applicant *(for all designated States except US)*: **LAURIMED, LLC** [US/US]; 500 Arguello Street, Suite 100, Redwood City, California 94063 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DUBOIS, Brian R.** [US/US]; 827 Piedmont Way, Redwood City, California 94062 (US). **NIELSEN, James T.** [US/US]; 1570 Portola Drive, San Francisco, California 94127 (US). **GORDON, Alexander** [US/US]; 616 Harvard Ave, Apt. 1, Menlo Park, California 94025 (US).

(74) Agents: **GIOVANNETTI, Steven M.** et al.; Levine Bagade Han LLP, 2400 Geng Rd, Suite 120, Palo Alto, California 94303 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,

[Continued on next page]

(54) Title: DEVICES AND METHODS FOR CUTTING AND EVACUATING TISSUE

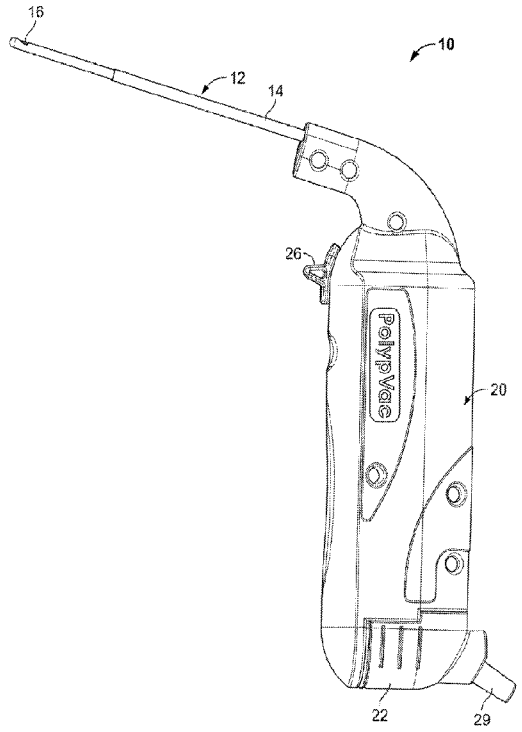


FIG. 1A

(57) Abstract: Various medical devices and methods for cutting and/or evacuating tissue are provided. The devices and methods may utilize a reciprocating mechanism or motor powered by suction from a vacuum source. The medical devices and methods may be used on tissue in various regions of a patient's body and for treating various conditions, e.g., for performing a polypectomy or discectomy.

WO 2012/003383 A1

LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*