

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
7 August 2014 (07.08.2014)



(10) International Publication Number
WO 2014/121116 A8

(51) International Patent Classification:

A61B 1/00 (2006.01) *A61B 1/12* (2006.01)
A61B 1/05 (2006.01) *A61B 17/34* (2006.01)

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(21) International Application Number:

PCT/US2014/014243

(22) International Filing Date:

31 January 2014 (31.01.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/759,784 1 February 2013 (01.02.2013) US
61/826,303 22 May 2013 (22.05.2013) US

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(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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, 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, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: ENDOSCOPE WITH PANNABLE CAMERA

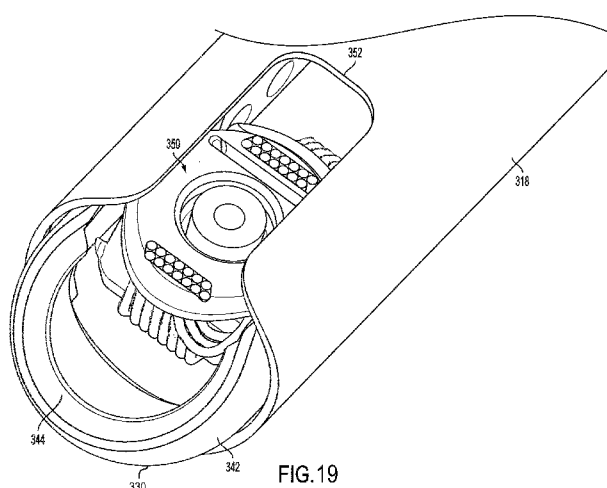


FIG. 19

(57) Abstract: An endoscope has a pannable camera at the distal end of its insertion shaft, the pannable camera assembly being pivotable to provide a range of a field of view that can be equal to or greater than 180 degrees. A terminal light emitting element may be mounted to the camera assembly in order to illuminate the immediate field of view of the camera sensor regardless of the rotational position of the camera assembly. A fluid-carrying conduit of the insertion section may also be used to house functional components, including the camera assembly, actuation cables, a communications cable connected to the camera sensor, and/or a fiberoptic cable providing light to the light emitting element. A distal section of the endoscope handle may be rotatable relative to a proximal hand-held section of the endoscope handle, a rotary encoder being provided to convert the rotational position of the insertion shaft relative to the handle into a signal for the purpose of image orientation correction by an electronic processor.



Published:

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

(48) Date of publication of this corrected version:

17 September 2015

(88) Date of publication of the international search report:
25 September 2014

(15) Information about Correction:
see Notice of 17 September 2015