

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
19 October 2023 (19.10.2023)



(10) International Publication Number
WO 2023/199143 A1

(51) International Patent Classification:

A61B 1/00 (2006.01) A61B 1/015 (2006.01)
A61B 1/31 (2006.01) A61M 25/01 (2006.01)

(21) International Application Number:

PCT/IB2023/053075

(22) International Filing Date:

28 March 2023 (28.03.2023)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

102022000007448 14 April 2022 (14.04.2022) IT

(71) Applicant: **ENDOSTART S.R.L.** [IT/IT]; VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT).

(72) Inventors: **TOZZI, Alessandro**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **SANGREGORIO, Claudio**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052

CERTALDO, FIRENZE (IT). **TUCI, Tommaso**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **MASIELLO, Fabiana**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **MONDELLO, Giorgio**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **LAZZERI, Denise**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **ALBINO, Martin**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT). **PETRECCA, Michele**; c/o ENDOSTART S.R.L., VIA DELLE REGIONI, 265, I- 50052 CERTALDO, FIRENZE (IT).

(74) Agent: **LONG, Giorgio** et al.; c/o JACOBACCI & PARTNERS S.p.A., Via Senato, 8, I-20121 MILANO (IT).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

(54) Title: ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPES, AND ENDOSCOPY SYSTEM COMPRISING SAID GUIDE

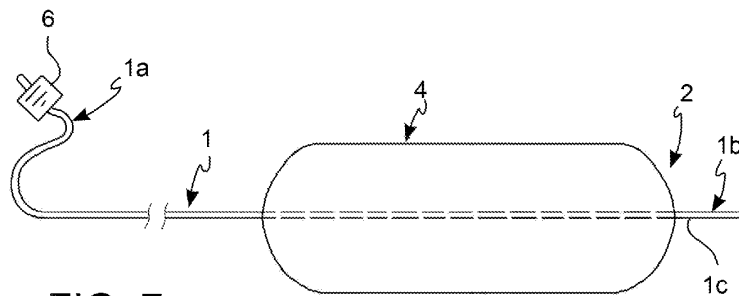


FIG. 7

(57) Abstract: The present invention relates to an endoscopic guide, particularly suitable for application in colonoscopy. In particular, the invention is directed to an endoscopy system, in particular for colonoscopy, comprising: - an endoscopic guide, in particular for colonoscopes, comprising a tubular guide element (1) and an anchoring head (2), wherein the tubular guide element (1) comprises a longitudinal cavity (3), the anchoring head (2) being provided with an expandable container (4) configured to accommodate a ferromagnetic agent, the expandable container (4) being in communication with said longitudinal cavity (3), wherein the endoscopy system further comprises a ferromagnetic agent configured to be movable in said longitudinal cavity to fill/empty the expandable container (4), characterized in that the ferromagnetic agent is an aqueous suspension of carbonyl iron.

[Continued on next page]

HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, 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, ME, 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).

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE