



(51) International Patent Classification:
Not classified

(21) International Application Number:
PCT/SG2022/050600

(22) International Filing Date:
23 August 2022 (23.08.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10202109183Q 23 August 2021 (23.08.2021) SG

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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, CV, CZ, DE, DJ, DK, DM,
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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, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))

(54) Title: METHOD AND SYSTEM FOR DETERMINING A TRAJECTORY OF AN ELONGATED TOOL

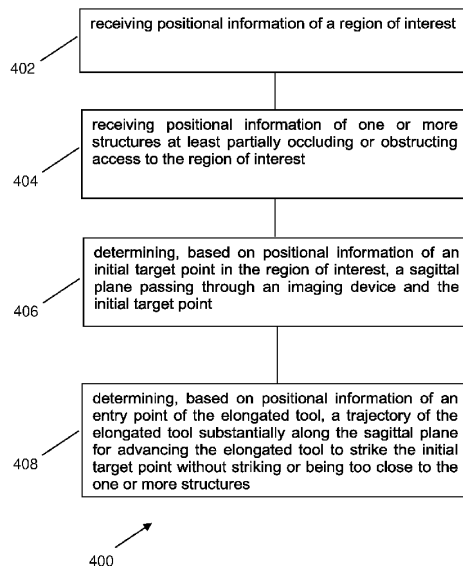


Figure 4

(57) Abstract: A method for determining a trajectory of an elongated tool includes receiving positional information of a region of interest and receiving positional information of one or more structures at least partially occluding or obstructing access to the region of interest. Based on positional information of an initial target point in the region of interest, a sagittal plane passing through an imaging device and the initial target point is determined. Based on positional information of an entry point of the elongated tool, a trajectory of the elongated tool substantially along the sagittal plane for advancing the elongated tool to strike the initial target point without striking the one or more structures is determined.

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