Title (en)

METHOD AND DEVICE FOR PROCESSING IMAGES IN ORDER TO AUTOMATICALLY ESTIMATE THE POSITION OF A TROCAR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BILDVERARBEITUNG ZUR AUTOMATISCHEN SCHÄTZUNG DER POSITION EINES TROKARS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT D'IMAGES POUR L'ESTIMATION AUTOMATIQUE DE LA POSITION D'UN TROCART

Publication

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Application

**EP 22703613 A 20220201**

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Abstract (en)

[origin: WO2022167428A1] The invention relates to a method for processing images acquired by an endoscope (12), in order to automatically estimate the position of at least one trocar (58) arranged on a wall (56) of the body of a patient, each trocar (58) being configured to enable the passage of a tool (54) through the wall in order to access a cavity (50) of the body of the patient, characterized in that it comprises a step of acquiring images of the abdominal cavity (50) of the patient by the endoscope (12), each of the images representing at least one tool (54) passing through each trocar (58), a step of determining, on the basis of the images, the position and orientation of the tool (54) relative to the position of the endoscope (12), a step of estimating, on the basis of the images, the position of each trocar (58) on the basis of at least two positions and orientations of the tool (54).

IPC 8 full level

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