

Title (en)

FULLY-AUTOMATIC, ROBOT-ASSISTED CAMERA GUIDANCE USING POSITION SENSORS FOR LAPAROSCOPIC INTERVENTIONS

Title (de)

VOLLAUTOMATISCHE, ROBOTERGESTÜTZTE KAMERAUFÜHRUNG UNTER VERWENDUNG VON POSITIONSSENSOREN FÜR LAPAROSKOPISCHE EINGRIFFE

Title (fr)

GUIDAGE DE CAMERA AUTOMATIQUE ROBOTISE A L'AIDE DE DETECTEURS DE POSITION DESTINE A DES INTERVENTIONS LAPAROSCOPIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0189405A1] The invention relates to an operating system for carrying out operation interventions, comprising a laparoscope (5) for visualizing the interventions, said laparoscope being mounted on a robot arm, and a surgical instrument (6) for carrying out the interventions. The laparoscope (5) is guided automatically with a robot arm (10), using positions of the laparoscope (5) and the surgical instrument (6) detected by position sensors (7), so that the surgical instrument (6) is always in the field of vision of the laparoscope (5). The invention also relates to a method for guiding a laparoscope mounted on a robot arm, used in this operating system.

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