

Title (en)
ASSISTANCE DEVICE FOR PROVIDING IMAGING SUPPORT TO AN OPERATOR DURING A SURGICAL INTERVENTION

Title (de)
ASSISTENZEINRICHTUNG ZUR BILDGEBENDEN UNTERSTÜZUNG EINES OPERATEURS WÄHREND EINES CHIRURGISCHEN EINGRIFFS

Title (fr)
DISPOSITIF D'ASSISTANCE PERMETTANT LE GUIDAGE PAR L'IMAGE D'UN OPÉRATEUR PENDANT UNE INTERVENTION CHIRURGICALE

Publication
EP 3054888 A1 20160817 (DE)

Application
EP 14777534 A 20140902

Priority
• DE 102013109677 A 20130905
• EP 2014068585 W 20140902

Abstract (en)
[origin: WO2015032738A1] An assistance device (10) for providing imaging support to an operator during a surgical intervention is described, comprising an endoscope (12) with a camera (16) for generating image data; a viewing device (20) for showing a moving image; a manipulator (14) coupled to the endoscope (12) for the purpose of moving the endoscope (12); and a control system (22) for controlling the manipulator (14) according to a control command, in such a way that the moving image shown on the viewing device (20) can be influenced by moving the endoscope (12). The assistance device (10) further comprises a sensor unit (32) which detects an object (36, 58) moved for performing the surgical intervention and which generates a movement signal corresponding to the movement of the object, on the basis of which signal the control system (22) generates the control command; and an operating element (28) which can be actuated by the operator in order to set a release state in which the control of the manipulator (14) by the control system (22) is released for moving the endoscope (12).

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Citation (search report)
See references of WO 2015032738A1

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