

Title (en)

METHOD AND SYSTEM FOR REPRODUCING AN INSERTION POINT FOR A MEDICAL INSTRUMENT

Title (de)

VERFAHREN UND SYSTEM ZUM WIEDERGEHEN EINES EINSTICHPUNKTES FÜR EIN MEDIZINISCHES INSTRUMENT

Title (fr)

PROCÉDÉ ET SYSTÈME DE REPRODUCTION D'UN POINT DE PIQÛRE POUR UN INSTRUMENT MÉDICAL

Publication

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Application

EP 20807687 A 20201111

Priority

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Abstract (en)

[origin: WO2021094354A1] The invention relates to a method and a medical system (200) for reproducing an insertion point (202a, 202b) for a medical instrument. The method comprises the steps of: • - providing at least one marker (210) on a surface of an object (216), the marker (210) having the property of being detectable both tomographically, in particular fluoroscopically, and also optically, • - producing tomography image data from which a fluoroscopic image of the at least one marker (210) arranged on the surface of the object (216) together with the object (216) can be reconstructed, • - determining the insertion point (202a, 202b) for the medical instrument on the surface of the object (216) relative to the at least one marker (210) in the coordinate system of the tomography image data (218), • - generating visual image data from which a visual image of the at least one marker (210) arranged on the surface of the object (216) together with the object (216) can be reconstructed, • - transforming the coordinates of the insertion point in the coordinate system of the tomography image data (218) into the coordinate system of the visual image data (222) using the relative position of the insertion point (202a, 202b) in relation to the at least one marker (210), and • - reproducing the insertion point (202a, 202b) for the medical instrument in real time in a view of the object (216).

IPC 8 full level

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See references of WO 2021094354A1

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