

Title (en)

CONCEPT FOR SUPERIMPOSING AN INTRAOPERATIVE LIVE IMAGE OF A SURGICAL AREA WITH A PREOPERATIVE IMAGE OF THE SURGICAL AREA

Title (de)

KONZEPT ZUR ÜBERLAGERUNG EINES INTRAOPERATIVEN LIVEBILDES EINES OPERATIONSGBIETS MIT EINEM PREOPERATIVEN BILD DES OPERATIONSGBIETS

Title (fr)

PROCÉDÉ DE SUPERPOSITION D'UNE IMAGE INTRA-OPÉRATOIRE INSTANTANÉE D'UN CHAMP OPÉRATOIRE AVEC UNE IMAGE PRÉOPÉRATOIRE DU CHAMP OPÉRATOIRE

Publication

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Application

**EP 10752557 A 20100904**

Priority

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Abstract (en)

[origin: WO2011026958A1] The invention relates to a device (100) for superimposing an intraoperative first live image (112) of a surgical area (105) with a preoperative second image (114) of the surgical area (105), comprising a unit (110) for receiving and providing the first image (112), a unit (120) for providing the second image (114), a unit (130) for defining characteristic points (131-1;...; 136-1) in the first image (112) and for defining points (131-2;...; 136-2) in the second image (114) that correspond to the characteristic points, so that the characteristic points and the points corresponding thereto in the first and second images mark mutually corresponding positions of the surgical area (105), a unit (140) for transforming the first and/or second images, so that the characteristic points (131-1;...; 136-1) of the first image (112) and the points (131-2;...; 136-2) of the second image (114) corresponding thereto end up on top of each other, and a unit (150) for superimposing, after the transformation, the second image with the first image or the surgical area so as to obtain a superimposed view (145) of the surgical area (105).

IPC 8 full level

**A61B 19/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011026958A1

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