

Title (en)

PATIENT-MATCHED APPARATUS AND METHODS FOR PERFORMING SURGICAL PROCEDURES

Title (de)

PATIENTENABGESTIMMTE VORRICHTUNG UND VERFAHREN ZUR DURCHFÜHRUNG VON CHIRURGISCHEN EINGRIFFEN

Title (fr)

APPAREIL DE MISE EN CORRESPONDANCE DE PATIENTS ET PROCÉDÉS D'EXÉCUTION DE PROCÉDURES CHIRURGICALES

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Application

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Abstract (en)

[origin: CA3001898A1] A system and method for developing customized apparatus for use in one or more surgical procedures is disclosed. The system and method incorporates a patient's unique anatomical features or morphology, which may be derived from capturing MRI data or CT data, to fabricate at least one custom apparatus. According to a preferred embodiment, the customized apparatus comprises a plurality of complementary surfaces based on a plurality of data points from the MRI or CT data. Thus, each apparatus may be matched in duplicate and oriented around the patient's own anatomy, and may further provide any desired axial alignments or insertional trajectories. In an alternate embodiment, the apparatus may further be aligned and/or matched with at least one other apparatus used during the surgical procedure.

IPC 8 full level

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