

Title (en)

METHOD AND SYSTEM FOR AUTOMATIC ANALYSIS OF BLOOD VESSEL STRUCTURES AND PATHOLOGIES

Title (de)

VERFAHREN UND SYSTEM ZUR AUTOMATISCHEN ANALYSE VON BLUTGEFÄSSSTRUKTUREN UND PATHOLOGIEN

Title (fr)

PROCÉDÉ ET SYSTÈME POUR L'ANALYSE AUTOMATIQUE DE STRUCTURES ET DE PATHOLOGIES DE VAISSEAU SANGUIN

Publication

**EP 2074551 A2 20090701 (EN)**

Application

**EP 07825480 A 20071024**

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Abstract (en)

[origin: WO2008050223A2] A method of defining a heart region from imaging data is provided. Received imaging data is projected into a first plane. A first threshold is applied to the first plane of data to eliminate data associated with air. A largest first connected component is identified from the first threshold applied data. A first center of mass of the identified largest first connected component is calculated to define a first coordinate and a second coordinate of the heart region. The received imaging data is projected into a second plane, wherein the second plane is perpendicular to the first plane. A second threshold is applied to the second plane of data to eliminate data associated with air. A largest second connected component is identified from the second threshold applied data. A second center of mass of the identified largest second connected component is calculated to define a third coordinate of the heart region.

IPC 8 full level

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