

Title (en)
CARDIAC MAPPING SYSTEMS

Title (de)
SYSTEME ZUR MEHRDIMENSIONALEN DARSTELLUNG DES HERZENS

Title (fr)
SYSTEMES DE CARTOGRAPHIE CARDIAQUE

Publication
EP 1233698 A1 20020828 (EN)

Application
EP 00976883 A 20001103

Priority
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Abstract (en)
[origin: WO0134026A1] An apparatus using standard medical X-ray fluoroscopy techniques to acquire images of the chamber, vessel, or space in question wherein a device with radiopaque markers is inserted into and in some way mechanically conformed to the chamber's inner walls. By taking two or more fluoroscopic views of the space from different angles, the exact location of the markers may be determined and then processed to yield three-dimensional locations of each marker. Because the markers are intimate with the walls surrounding the space, the three-dimensional shape of the space is also determined. Standard graphical techniques may then be used to display a virtual model of the space. The accuracy of the resultant model improves with more views captured from different fluoroscopic angles, and by the use of more radiopaque markers.

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IPC 8 full level
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