Title (en)
STOCHASTIC ANALYSIS OF CARDIAC FUNCTION

Title (de)
STOCHASTISCHE ANALYSE DER HERZFUNKTION

Title (fr)
ANALYSE STOCHASTIQUE DE LA FONCTION CARDIAQUE

Publication
EP 1709590 A1 20061011 (EN)

Application
EP 05702590 A 20050105

Priority
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• US 53676204 P 20040115

Abstract (en)
[origin: WO2005071615A1] A diagnostic imaging apparatus (10) performs stochastic model-based segmentation of diagnostic images of a subject. A plurality of stacks of slice images (22) are generated with each stack displaced in time. Multiple solutions of the organ shapes are computed from the stacks of slice images in the form of a plurality of shape samples (26). The samples are generated (24) according to a Bayesian model describing the conditional distribution of the shape given the images and at least one functional parameter (32) is derived for each of the samples. A probability value (30) is derived for each parameter and displayed (36, 38).

IPC 8 full level
G06T 7/60 (2006.01)

CPC (source: EP)
G06T 7/62 (2016.12)

Citation (search report)
See references of WO 2005071615A1

Designated contracting state (EPC)
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