Title (en)

COMPUTATIONAL SYSTEM AND METHOD FOR MODELING THE HEART

Title (de)

RECHNERISCHES SYSTEM UND VERFAHREN ZUR MODELLIERUNG DES HERZENS

Title (fr)

SYSTEME ET PROCEDE COMPUTATIONNELS POUR LA MODELISATION DU COEUR

Publication

EP 1149347 A1 20011031 (EN)

Application

EP 99906830 A 19990203

Priority

US 9902755 W 19990203

Abstract (en)

[origin: WO0046689A1] A computational model for simulating and predicting the electrical and chemical dynamics of the heart. The model consists of a computerized representation of the heart anatomy and a system of mathematical equations that describe the spatio-temporal behavior of biophysical quantities such as voltage at various locations throughout the heart. The computer process can present the temporal evolution of the biophysical quantities throughout the computerized anatomical model.

IPC 1-7

G06F 17/00

IPC 8 full level

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CPC (source: EP)

G16H 50/50 (2017.12)

Citation (search report)

See references of WO 0046689A1

Designated contracting state (EPC)

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US 9902755 W 19990203; AU 2665299 A 19990203; CA 2361435 A 19990203; DE 19983999 T 19990203; EP 99906830 A 19990203; IL 14464999 A 19990203; JP 2000597702 A 19990203; NO 20013752 A 20010731