

Title (en)
SIMULATION-BASED DIRECTED SURGICAL DEVELOPMENT SYSTEM

Title (de)
SIMULATIONSBASIERTES GERICHTETES CHIRURGISCHES ENTWICKLUNGSSYSTEM

Title (fr)
SYSTÈME DE DÉVELOPPEMENT CHIRURGICAL DIRIGÉ FONDÉ SUR LA SIMULATION

Publication
EP 4150608 A1 20230322 (EN)

Application
EP 22727473 A 20220520

Priority

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- IB 2022054738 W 20220520

Abstract (en)
[origin: WO2022243966A1] An interactive and dynamic surgical simulation system may be used in the context of a computer-implemented interactive surgical system. The surgical simulation system may enable simulation-based directed surgical development. A processor may be configured to receive a plurality of training task-environment parameter sets from a surgical data system. The processor may generate, for each training task-environment parameter set, a plurality of candidate action sets. Each candidate action set, when executed within the simulated environment indicated by the corresponding training task-environment, set may cause performance, with a corresponding effectiveness, of the simulated surgical task. This information may be used to train a model to then determine the target action set. The target action set may represent a way of performing the simulated surgical task, optimized according to defined effectiveness.

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G09B 23/28 (2006.01)

CPC (source: EP)
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KH MA MD TN

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