

Title (en)

METHOD FOR CONSTRUCTING FUNCTIONAL LIVING MATERIALS, RESULTING MATERIALS AND USES THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FUNKTIONALEN LEBENDEN STOFFEN, RESULTIERENDE STOFFE UND IHRE VERWENDUNGEN

Title (fr)

METHODE DE CONSTRUCTION DE MATERIAUX VIVANTS FONCTIONNELS, MATERIAUX OBTENUS ET APPLICATIONS

Publication

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Application

EP 07731472 A 20070516

Priority

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Abstract (en)

[origin: WO2007132099A2] The invention concerns a method for constructing a functional living biomaterial, characterized in that it consists in assembling layer by layer (3D) a matrix and 2D layers of functional living cells by controlling their interactions and 3D structuring based on the desired organization and final shape of the biomaterial, wherein each layer has its own pattern adapted to the neighbouring layers and on the functionality of whole synthetic biomaterials. The invention is useful in the field of biomedicine and nanobiotechnology.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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