

Title (en)

MICROPOSITIONING CELLS FOR TISSUE ENGINEERING

Title (de)

MIKROPOSITIONIERUNG VON ZELLEN ZUR GEWEBEREKONSTRUKTION

Title (fr)

POSITIONNEMENT MICROMETRIQUE DES CELLULES POUR LE GENIE CELLULAIRE

Publication

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Application

EP 04753628 A 20040528

Priority

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Abstract (en)

[origin: WO2004108888A2] The present invention features methods for specifically micropositioning cells on a substratum. Cell-adhesive substances that bind to naturally-occurring or artificially-attached cell-surface moieties are deposited onto the substratum (e.g., using an inkjet printer), after which cells are incubated with the substratum such that they attach to the substratum via the cell-adhesive substances. The methods of the invention can be used to generate complex two- and three-dimensional patterns containing multiple cell types, e.g., for tissue engineering.

IPC 8 full level

C07K 16/44 (2006.01); **C12N 5/00** (2006.01); **C12N 5/06** (2006.01); **G01N 33/543** (2006.01)

IPC 8 main group level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2004108888A2

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DOCDB simple family (publication)

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