

Title (en)
METHOD FOR PROLIFERATION OF CELLS ON POLYELECTROLYTE MULTILAYER FILMS AND USE THEREOF, PARTICULARLY FOR THE PREPARATION OF CELLULAR BIOMATERIALS

Title (de)
VERFAHREN ZUR ZELLPROLIFERATION AUF MEHRSCICHTIGEN POLYELEKTROLYTFILMEN UND IHRE VERWENDUNG, IM BESONDEREN ZUR HERSTELLUNG VON ZELLULÄREM BIOMATERIAL

Title (fr)
PROCEDE DE PROLIFERATION DE CELLULES SUR DES MULTICOUCHES DE POLYELECTROLYTES ET SON APPLICATION, NOTAMMENT A LA PREPARATION DE BIOMATERIAUX CELLULARISES

Publication
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Application
EP 08826480 A 20080616

Priority

- FR 2008000832 W 20080616
- FR 0704313 A 20070618

Abstract (en)
[origin: WO2009010652A1] The invention relates to the use of a unit comprising a substrate and polyelectrolyte multilayer films deposited thereon in order to: carry out a method involving the proliferation of initial stem or differentiated cells that are brought into contact with the unit; and cover the unit with confluent viable adherent cells resulting from the proliferation of the initial cells, said cover being obtained at the end of a period of no more than one month, such as 14 days, 11 days or, in particular, 7 days, after the initial cells are brought into contact with the unit.

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Citation (search report)
See references of WO 2009010652A1

Citation (examination)

- VAUTIER D ET AL: "POLYELECTROLYTE MULTILAYER FILMS MODULATE CYTOSKELETAL ORGANIZATION IN CHONDROSARCOMA CELLS", JOURNAL OF BIOMATERIALS SCIENCE. POLYMER EDITION, VSP, UTRECHT, NL, vol. 13, no. 6, 1 January 2002 (2002-01-01), pages 713 - 732, XP009023322, ISSN: 0920-5063, DOI: 10.1163/156856202320269175
- WISSINK M J ET AL: "Relation between cell density and the secretion of von Willebrand factor and prostacyclin by human umbilical vein endothelial cells.", BIOMATERIALS AUG 2001, vol. 22, no. 16, August 2001 (2001-08-01), pages 2283 - 2290, ISSN: 0142-9612

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