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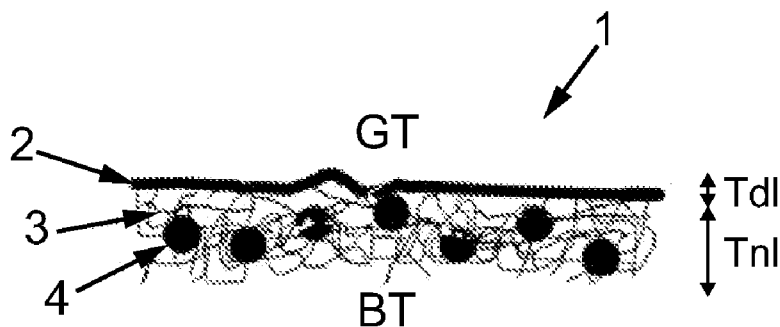


FIG. 1

(57) Abstract: Bone regeneration membrane (1) comprising: a dense layer (2) made of resorbable polymer, said dense layer (2) having first and second opposite surfaces and being adapted to form a barrier to cells and soft tissues, a nanofibrillar layer (3) made of resorbable polymer and attached to the first surface of the dense layer (2), said nanofibrillar layer comprising fibers having a diameter of nanometer size, said fibers being interlaced so as to present an average pore size greater than 10 μm to allow cell permeability and bone tissue regeneration, the nanofibrillar layer (3) having a permeability κ between 0.4 * 10⁻⁹ m² and 11 * 10⁻⁹ m², preferably between 1 * 10⁻⁹ m² and 4 * 10⁻⁹ m², in particular substantially of 2 * 10⁻⁹ m².

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/061704A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/095137 AI (CHUNG CHONG-PYOUNG [KR] ET AL) 4 May 2006 (2006-05-04) page 3, paragraph 33 -----	1-14
A	Wo 2009/054609 AI (MEGAGEN IMPLANT CO LTD [KR] ; YOU CHANG KOOK [KR] ; PARK KWANG BUM [KR] ;) 30 April 2009 (2009-04-30) cited in the application page 6, lines 10, 11 claims 1,4,8 ----- -/-	1-14



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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RJJIHARA K ET AL: "Guided bone regeneration membrane made of polycaprolactone/calcium carbonate composite nanofibers", BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 26, no. 19, 1 July 2005 (2005-07-01), pages 4139-4147, XP025280516, ISSN: 0142-9612, DOI: 10.1016/J.BIOMATERIALS.2004.09.014 [retrieved on 2005-07-01] cited in the application abstract -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

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