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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
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8 September 2017

(54) Title: COMPOSITION AND METHODS OF USING UMBILICAL CORD LINING STEM CELLS

(57) Abstract: The invention provides methods for using Umbilical Cord Lining Stem Cells (ULSCs) to produce therapeutic factors including growth factors, cytokines, chemokines and extracellular matrix components. ULSCs are mesenchymal stem cells isolated from umbilical cord lining. They can be efficiently propagated and expanded in vitro. Under specific conditions ULSCs produce useful therapeutic factors that can be used to treat injuries and degenerative conditions.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 35/51, C12N 5/02, C12M 3/00 (2017.01)

CPC - A61K 35/51, A61K 35/16, C12N 5/073, C12N 5/00, C12N 5/02, C12N 5/071

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)

See Search History Document

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

See Search History Document

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

See Search History Document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2014/0045263 A1 (DEPUY SYNTHES PRODUCTS, LLC) 13 February 2014 (13.02.2014) Abstract; para [0014]; para [0018]; para [0022]; para [0028]-[0029]; para [0045]; para [0143]; para [0168]; para [0169]; para [0170]; para [0173]; para [0510]; para [0517]	1-20
Y	US 2013/0065302 A1 (DAVINCI BIOSCIENCES LLC) 14 March 2013 (14.03.2013) Abstract; para [0003]	1-20
Y	WO 2013/093878 A1 (CORION BIOTECH S.R.L.) 27 June 2013 (27.06.2013) Claim 1, Claim 2	20
Y	US 2012/0251489 A1 (SANCHEZ et al.) 04 October 2012 (04.10.2012) para [0060]; Claim 1	20
Y	US 2006/0153815 A1 (SEYDA et al.) 13 July 2006 (13.07.2006) Claim 5; Claim 6	20

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

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