



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 17 84 73 17

### Classification of the application (IPC):

A61K 38/17, A61K 48/00, C07K 14/47, C12N 5/078, C12N 5/0781,  
C12N 5/0783, C12N 5/0786, C12N 15/09, C12N 15/87

### Technical fields searched (IPC):

A61K, C07K, C12N

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 2014356893 A1 (MISHRA ALLAN [US]) 04 December 2014 (2014-12-04) *Abstract; examples and claims*	1-6
X	<b>DONGHUI ZHANG ET AL:</b> "Highly efficient differentiation of human ES cells and iPS cells into mature pancreatic insulin-producing cells" <i>CELL RESEARCH</i> , 01 April 2009 (2009-04-01), vol. 19, no. 4, DOI: 10.1038/cr.2009.28, ISSN: 1001-0602, pages 429-438, XP055074920 *Whole document, in particular: Abstract and discussion*	7-15
Y		1-6
X	<b>ZHAO YONG ET AL:</b> "A human peripheral blood monocyte-derived subset acts as pluripotent stem cells" <i>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF SCIENCES, US</i> , 04 March 2003 (2003-03-04), vol. 100, no. 5, DOI: 10.1073/PNAS.0536882100, ISSN: 0027-8424, pages 2426-2431, XP002410596 *Abstract; page 2430, left hand column, paragraphs 4 and 5*	7-15
Y		1-6
X	US 2010129440 A1 (ZHAO YONG [US] ET AL) 27 May 2010 (2010-05-27)	7-15
Y	*Examples and claims*	1-6

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 10 February 2020	Examiner Bulcao de Melo B., T
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 10-02-2020  
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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			US	2017130201 A1	11-05-2017
			US	2019390166 A1	26-12-2019
US 2010129440	A1	27-05-2010	CA	2666789 A1	24-04-2008
			US	2010129440 A1	27-05-2010
			WO	2008048671 A1	24-04-2008