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(54) Title: COMPOSITIONS AND METHODS FOR NEURAL DIFFERENTIATION OF EMBRYONIC STEM CELLS

(57) Abstract: The present invention provides compositions and methods for human neural cell production. More particularly, the present invention provides cellular differentiation methods employing an essentially serum free MEDII conditioned medium for the generation of human neural cells from pluripotent and multipotent human stem cells.



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INTERNATIONAL SEARCH REPORT

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 US CL : 435/325, 1.1

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B. FIELDS SEARCHED

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 U.S. : 435/325, 1.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 US priority documents 60/459,090, 60/401/968 and PCTAU0300552

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 56 864 C1 (VOSSIUS et al.) 29 April 1999 (29.04.1999), entire disclosure, see english translation.	26-53
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Y		1-53
A	KAWASAKI et al., "Induction of midbrain dopaminergic neurons from ES cells by stromal cell-derived inducing activity", Neuron 2000 October, Vol. 28, No. 1, pages 31-40.	1-53
A	Sasai, Y Beneration of dopaminergic neurons from embryonic stm cells, J. Neurol, 2002 September, Vol. 249, Suppl 2, pages 1141-1144, entire reference.	1-53
A,P	KUO et al. Differentiation of monkey embryonic stem cellls into neural lineages, Biol Reproduction 2003, Vol. 68, pages 1727-1735.	1-53
A,P	US 6,562,619 B1 (Gearhart et al.) 13 May, 2003 (13.05.2003), entire document.	1-53
A,P	US 2002/0146678 A1 (Benvenisty) 10 October 2002 (10.0.2002), entire reference.	1-53

Further documents are listed in the continuation of Box C.

See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
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