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(54) Title: PLURIPOTENT CELLS COMPRISING ALLOGENIC NUCLEUS AND MITOCHONDRIA

(57) Abstract: Allochimeric ES cells are provided having nuclei from one individual of a species and mitochondria from a individual of the same species. The ES cells can be used for differentiation into differentiated cell types for therapy or for studying various developmental processes in forming embryos and differentiation.

**INTERNATIONAL SEARCH REPORT**

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) : C12N 15/ 85, 15/86; A01K 67/00 US CL : 435/325; 800/8		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/325; 800/8		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched reviewed priority document information		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST, Medline, PALM search for inventor		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,011,197 A (STRELCHENKO ET AL.) 04 June 2000 (04.06.2000), entire reference for nuclear transfer techniques and resulting cell.	1-20
Y	US 6,235,970 B1 (STICE ET AL.) 22 May 2001 (22.05.2001) entire reference for nuclear transfer and making ES cells with particular genotypes	1-20
Y	US 2001/0012513 A1 (ROBL ET AL.) 09 August 2001 (09.08.2001), entire reference for nuclear transfer and methods for making embryonic stem cells with specific modifications of the genome.	1-20
X	WO 01/79445 A2 (Advanced Cell Technology) 25 October 2001 (25.10.2001), entire reference for performing nuclear transfer and evidence that the resulting cell is chimeric relevant to the genome and the mitochondria.	1-20
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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