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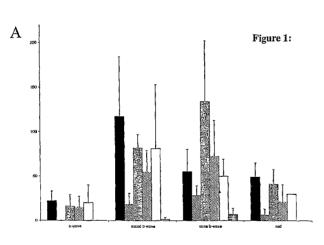
60/688,637 8 June 2005 (08.06.2005) US

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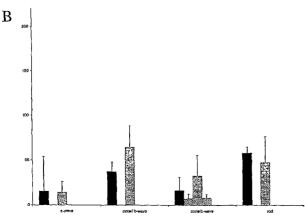
[Continued on next page]

(54) Title: A CELLULAR THERAPY FOR OCULAR DEGENERATION



(57) Abstract: Compositions and methods applicable to cell-based or regenerative therapy for ophthalmic diseases and disorders comprising mesenchymal stem cells, particularly those characterized by the expression of at least one of the following surface markers: CD29, CD44, CD105 or CD166, and the lack of expression of at least one of CD14, CD34 or CD45.





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	INTERNATIONAL SEARCH REFOR	`	PCT/US06/21671		
A. CLASSIFICATION OF SUBJECT MATTER IPC: C12N 5/06(2006.01),5/08(2006.01),5/16(2006.01);A61K 48/00(2006.01);A01N 63/00(2006.01) A01N 65/00(2006.01)					
USPC: 424/93.1,93.2,93.21,435/326,366,368,371 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELI	OS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/93.1, 93.2, 93.21; 435/326, 366, 368, 371					
Documentation	on searched other than minimum documentation to the	extent that such docum	ents are included in	the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCT	JMENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·	 		
Category *	Citation of document, with indication, where ap	opropriate, of the releva	ant passages	Relevant to claim No.	
X	US2005/0037491 (Mistry et al.) 17 Feb 2005, especially p. 1, [0005]-p.4, [0027]; p.4, [0031]-p.6, [0047]; p.7, [0057]-p.10,[0086]; p. 12, [0103]-p.16, [0139]; p.24, example 7; p.43-49, examples 16-18			1-31	
х	WO2005/001077 (Mistry et al.) Jan 6, 2005, especial 17-18; p.13-14; p.20-22; p.36-38.	ly p. 3-4; p912; p.10()-p.109, examples	1-31	
Further	documents are listed in the continuation of Box C.	See patent	family annex.		
	pecial categories of cited documents: defining the general state of the art which is not considered to be of relevance	date and not i	nt published after the intern in conflict with the applicat heory underlying the invent	ational filing date or priority ion but cited to understand the ion	
"E" earlier app	plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being		d to involve an inventive step	
"O" document	referring to an oral disclosure, use, exhibition or other means		person skilled in the art		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family			
Date of the ac	ctual completion of the international search	Date of mailing of the	international scarci	n report	
Name and mailing address of the ISA/US Mail Stop PCT, Attn. ISA/US Commissioner for Patents		Authorized officer Bell-Hawyn Chang-Yu Wang Telephone No. 571-272-1600			
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/21671

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is			
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on 1	payment of a protest fee.			
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
	No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2007)

	International application No.		
INTERNATIONAL SEARCH REPORT	PCT/US06/21671		
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Continuation of B. FIELDS SEARCHED Item 3:			
STN: Biosis, Biotechds, Embase, CAPLUS, Medline, USPATFULL, search term: o	cular degeneration, mesenchymal stem, neural stem,		
CD29, CD44, CD105, CD166, CD14, CD34, CD45, macular degeneration, retinitis epithelial, implant? eye?	piginentosa, diaoette retinopauty, giauconia, fintoar		
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