



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 02 76 9779 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	SPANGRUDE G J ET AL: "Long-term repopulation of irradiated mice with limiting numbers of purified hematopoietic stem cells: in vivo expansion of stem cell phenotype but not function." BLOOD, vol. 85, no. 4, 15 February 1995 (1995-02-15), pages 1006-1016, XP002361528 ISSN: 0006-4971 * page 1007, right-hand column, paragraph 4 - page 1008, right-hand column, paragraph 1 * * page 1008; table 1 * * page 1009; figure 2 *	23,38, 42,48, 50,51,62	C12N5/06 G01N33/569 G01N33/58 G01N33/60 G01N33/68 G01N33/573
X	WO 99/45942 A (ENTREMED, INC) 16 September 1999 (1999-09-16) * page 29; examples 6,7 * ----- -/--	55-59	
			TECHNICAL FIELDS SEARCHED (IPC)
			C12N C07K A61K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
<b>INCOMPLETE SEARCH</b>			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims: Claims searched completely :  Claims searched incompletely :  Claims not searched :  Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
The Hague		5 January 2006	Manu, D
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

3  
EPO FORM 1503 06.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,X	NILSSON SUSAN K ET AL: "Hyaluronan is synthesized by primitive hemopoietic cells, participates in their lodgment at the endosteum following transplantation, and is involved in the regulation of their proliferation and differentiation in vitro." BLOOD. 1 FEB 2003, vol. 101, no. 3, 1 February 2003 (2003-02-01), pages 856-862, XP002360892 ISSN: 0006-4971 * the whole document * -----	1-63	
			TECHNICAL FIELDS SEARCHED (IPC)



Claim(s) searched incompletely:  
60-61

Reason for the limitation of the search:

Present claims 60-61 relate to a method comprising modulating expression and/or activity of HA, HAS to control proliferation and/or differentiation of HSCs using antagonists, inhibitors, mimetics or derivatives of the HA or HAS. However, the description only provides support and disclosure in the sense of Article 84 and 83 EPC for a method using HABP or HA to regulate proliferation and differentiation of HSCs. This non-compliance with the substantive provisions is to such an extent, that no meaningful search of the whole claimed subject-matter could be carried out (Rule 45 EPC and Guidelines B-VIII, 3).

The search of claims 60-61 was consequently restricted to the specifically disclosed method of regulating HSC proliferation or differentiation using soluble CD44, HABP or HA.

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 76 9779

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  
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05-01-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9945942 A	16-09-1999	AU 3085699 A	27-09-1999
		CA 2324624 A1	16-09-1999
		EP 1064011 A1	03-01-2001
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专利名称(译)	检测造血干细胞和后代及其用途		
公开(公告)号	<a href="#">EP1451303A4</a>	公开(公告)日	2006-03-08
申请号	EP2002769779	申请日	2002-10-24
申请(专利权)人(译)	彼得·麦卡勒姆癌症研究所		
当前申请(专利权)人(译)	彼得·麦卡勒姆癌症研究所		
[标]发明人	NILSSON SUSAN KAYE SIMMONS PAUL JOHN HAYLOCK DAVID NORMAN		
发明人	NILSSON, SUSAN, KAYE SIMMONS, PAUL, JOHN HAYLOCK, DAVID, NORMAN		
IPC分类号	A61K35/12 A61P7/00 A61P7/06 A61P9/00 A61P35/02 C12N5/0789 C12N15/09 C12Q1/04 G01N33/53 G01N33/566 G01N33/569 C12N5/06 G01N33/58 G01N33/60 G01N33/68 G01N33/573		
CPC分类号	C12N5/0647 G01N33/5308 G01N33/56966 G01N33/56972 G01N2333/91097 G01N2400/40		
优先权	2001PR8565 2001-10-30 AU		
其他公开文献	EP1451303A1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及鉴定造血干细胞 (HSC) 或其后代的方法，包括以下步骤：获得包含HSC或其后代的细胞样品;检测至少一种具有葡糖醛酸和N-乙酰葡糖胺或其等同物的至少一种二糖重复序列的碳水化合物序列的存在;鉴定具有其序列或等同物的HSC或其后代。本发明还涉及富集HSC或其子代的细胞群，分离HSC或其子代和使用本发明方法获得的细胞制剂及其用途的方法。

DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	NO 99/45942 A (ENTREMED, INC) 16 September 1999 (1999-09-16) * page 29: examples 6,7 *	55-59	TECHNICAL FIELDS SEARCHED C12N C07K A61K
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Claims searched incompletely:			
Claims not searched:			
Reason for the limitation of the search: see sheet C			
Place of search The Hague		Date of completion of the search 5 January 2006	Searcher Manu, D
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-relevant document P: intermediate document		I: theory or principle underlying the invention E: earlier published documents, for published on, or after the filing date D: document cited in the application C: document cited for other reasons &: members of the same patent family, corresponding document	