

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 February 2002 (28.02.2002)

PCT

(10) International Publication Number
WO 02/016559 A3

- (51) International Patent Classification⁷: C12N 5/06, A01K 67/027, A61P 35/00
- (21) International Application Number: PCT/EP01/09661
- (22) International Filing Date: 21 August 2001 (21.08.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/643,508 22 August 2000 (22.08.2000) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
7 August 2003
- (15) Information about Correction:
Previous Correction:
see PCT Gazette No. 21/2002 of 23 May 2002, Section II
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 02/016559 A3

(54) Title: *IN VIVO* ANIMAL MODEL OF HUMAN LEUKEMIA

(57) Abstract: The present invention provides a process for making an *in vivo* model of human leukemia. The process includes the steps of: pre-conditioning an immunodeficient rodent by administering to the rodent a sub-lethal dose of irradiation and injecting the rodent with an effective pre-conditioning amount of human fetal cord blood mononuclear cells; maintaining the rodent for from about 5 to 10 days; and injecting the rodent with an effective engrafting amount of primary human leukemia cells. An *in vivo* and *in vitro* model of human leukemia are also provided.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 01/09661

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N5/06 A01K67/027 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A01K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

BIOSIS, EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	STEELE J P C ET AL: "T-cell acute lymphoblastic leukemia (T-ALL): Engraftment in SCID mice." BLOOD, vol. 86, no. 10 SUPPL. 1, 1995, page 782A XP002200448 37th Annual Meeting of the American Society of Hematology; Seattle, Washington, USA; December 1-5, 1995 ISSN: 0006-4971 page 2015, paragraph 1 -page 2016, paragraph 1	1-17
Y	US 6 010 696 A (HAYNESWORTH STEPHEN E ET AL) 4 January 2000 (2000-01-04) abstract column 1, line 55 -column 3, line 30	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *E* earlier document but published on or after the international filing date
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Date of the actual completion of the international search

19 June 2002

Date of mailing of the international search report

07/08/2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 01/09661

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	STEELE JEREMY P C ET AL: "Growth of human T-cell lineage acute leukemia in severe combined immunodeficiency (SCID) mice and non-obese diabetic SCID mice." BLOOD, vol. 90, no. 5, 1997, pages 2015-2019, XP002200449 ISSN: 0006-4971 Abstract 3114 ---	1-17
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 01/09661

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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