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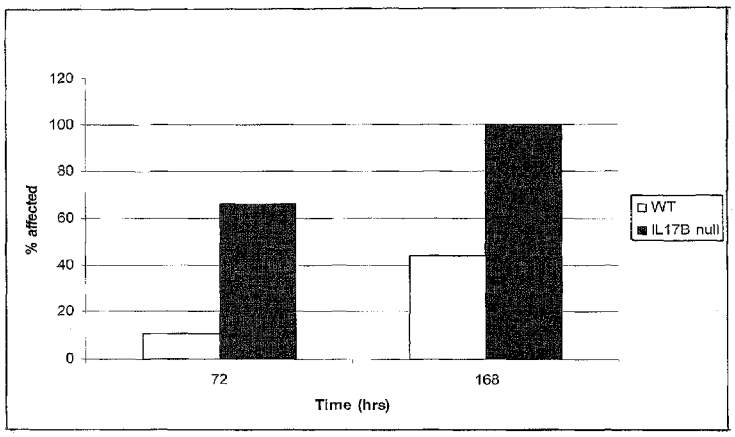
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) **Title:** IL- 17B FOR USE IN WOUND HEALING



(57) **Abstract:** IL-17B is known to stimulate the proliferation of chondrocytes, bone, and is highly expressed in nervous tissue, resulting in repair of diseased tissue. When IL-17B is absent a marked negative effect on wound healing is noted. The present invention comprises providing IL-17B, by topical, parental, or other administration means, in order to accelerate the wound healing process. The present invention further encompasses a pharmaceutical composition and formulations thereof that utilize IL-17B, either alone or in combination with other cytokines or growth factors known to aid wound healing. The invention also contemplates methods of treating wounds in patients using this pharmaceutical composition.

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— *with international search report*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K38/20 A61P17/02 A61K38/18 A61K38/19 A61K38/21
A61K38/30

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)
A61K A61P

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)
EPO-Internal, WPI Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2007/019453 A (ZYMOGENETICS INC [US]; MOORE EMMA E [US]; HAUGEN HARALD S [US]) 15 February 2007 (2007-02-15) the whole document	1-19
X	WO 01/46420 A2 (GENENTECH INC [US]) 28 June 2001 (2001-06-28) page 92, line 31 page 93, line 16 page 98, line 6 - line 19 page 33, line 29 - page 34, line 6 page 69, line 2 - page 70, line 17 page 91, lines 20-24	1-19

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[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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 obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 May 2008	09/06/2008

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fayos, Cécile

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Form PCT/ISA/210 (second sheet) (April 2005)

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/03982 A (HUMAN GENOME SCIENCES INC [US]; RUBEN STEVEN M [US]; EBNER REINHARD [U) 28 January 1999 (1999-01-28) page 40, lines 4-6	1-5,7, 9-11,13, 15
Y	page 42, line 38 - page 43, line 5	1-19
X	US 2004/248097 A1 (CHANG MING-SHI [TW]) 9 December 2004 (2004-12-09) page 4, paragraph 12	1,7,9,15
Y	page 11, last line , paragraph 66	17-19
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X	WO 98/49310 A (ZYMOGENETICS INC [US]) 5 November 1998 (1998-11-05)	1-5,7, 9-11,15
Y	page 29, line 32 - line 35 examples 1-12 page 31, line 36 page 32, line 18 - line 29 page 35, line 13 - page 39, line 4 page 39, line 2 page 33, line 5 - line 6	1-19
Y	DATABASE UniProt [Online] EBI; 19 July 2005 (2005-07-19), XP002413790 Database accession no. Q9UHF5 abstract	1-19
X	WO 01/64240 A (ZYMOGENETICS INC [US]) 7 September 2001 (2001-09-07)	15
A	the whole document	1-19
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A	claim 5	1-19

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/084151

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. [X] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-13 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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)

This International Searching Authority found multiple inventions in this international application, as follows:

1. [ ] As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers 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 Protest

[ ] The additional search fees were accompanied by the applicant's protest and, where applicable, the 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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2007/084151

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