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(54) Title: VECTORS FOR ENHANCED EXPRESSION OF VEGF FOR DISEASE TREATMENT

(57) Abstract: The invention provides a vector which is capable of the expression of a vascular endothelial growth factor wherein said vector comprises a modified pCMV promoter. The invention further provides use of a vector which is capable of and expressing a vascular endothelial growth factor (VEGF) for the regulation of endothelial function, angiogenesis and arteriogenesis. The invention further comprises use of a vector which is capable of the expression of a vascular endothelial growth factor (VEGF) for the prophylactic treatment of arterial diseases and/or bone marrow diseases and/or neural diseases.

INTERNATIONAL SEARCH REPORT

Intern: Application No

PCT/NL 02/00326

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K48/00 A61K121/00 C12N15/67

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 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)

EPO-Internal, EMBL, BIOSIS, WPI Data, MEDLINE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 47690 A (INTROGEN THERAPEUTICS INC ;CHADA SUNIL (US); ALMOND BRIAN D (US);) 23 September 1999 (1999-09-23) the whole document ---	1
X	WO 00 61751 A (CHANG BEY DIH ;UNIV ILLINOIS (US); RONINSON IGOR B (US)) 19 October 2000 (2000-10-19) the whole document ---	1
X	US 5 919 652 A (BELLDEGRUN ARIE S ET AL) 6 July 1999 (1999-07-06) the whole document ---	1
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Further documents are listed in the continuation of box C.

Patent family members are listed in 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
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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

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& document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Inte Application No

PC 1 / NL 02/00326

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! retrieved from EBI Database accession no. AF264696 XP002180574	1
Y	the whole document	2-23
X	DATABASE EMBL 'Online! retrieved from EBI Database accession no. U47120 XP002180575	1
Y	the whole document	2-23
Y	US 5 830 879 A (ISNER JEFFREY M) 3 November 1998 (1998-11-03) the whole document example 2	2-23
X	EP 0 561 034 A (IMMUNO AG) 22 September 1993 (1993-09-22) Seq. Id. Nos. 72, 67, 69 comprise ACGCGCGCT at positions 4907-4915, 6186-6194, 6301-6309 respectively examples 9-11	2

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL 02/00326

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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:

Although claims 22-23 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 II Observations where unity of invention is lacking (Continuation of item 2 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 all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. 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 Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Intel Application No

PC 1/NL 02/00326

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