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(72) Inventors; and


(74) Agent: JOYCE, Catherine, M.; Liniak, Berenato & White, LLC, 6550 Rock Spring Drive, Suite 240, Bethesda, MD 20817 (US).


(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(54) Title: CYTONECTIN AND GENE INHIBITORS THEREOF

(57) Abstract: This invention relates to cytoconnectin, to polynucleotides that encode cytoconnectin, to inhibitors and antibodies that bind to cytoconnectin and to the use of compositions in the diagnosis and treatment of cytoconnectin-related diseases and conditions.
(88) Date of publication of the international search report:
17 November 2005

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.
## INTERNATIONAL SEARCH REPORT

**Classification of Subject Matter**
- IPC 7: C07K14/47 C12N15/12 C07K1/26 C12Q1/68 A61K38/17

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

### B. FIELDS SEARCHED

**Minimum documentation searched (classification system followed by documentation symbols)**
- IPC 7: C07K 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, Sequence Search, EMBASE, BIOSIS, WPI Data, PAJ

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
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<td>the whole document</td>
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**Further documents are listed in the continuation of box C.**

**Patent family members are listed in annex.**

- "X" Special categories of cited documents:
  - "A" document defining the general state of the art which is not considered to be of particular relevance.
  - "D" earlier document but published on or after the International filing date.
  - "L" document which may throw doubt on priority claims or which is cited to establish the publication date of another document 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.

**Date of the actual completion of the international search**
- 8 July 2005

**Date of mailing of the international search report**
- 28-09-2005

**Name and mailing address of the RIA**
- European Patent Office, P.B. 5818, Petrollisian 2 ML - 2280 UV Rijeka
- Tel. (+31-70) 340-2040, Tx. 31 951 epo nl, Fax. (+31-70) 340-3018

**Authorized officer**
- Wiame, I

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<td>WO 03/102018 A (THE INSTITUTE FOR SYSTEMS BIOLOGY; AEBERSOLD, RUDOLF, H; ZHANG, HUI) 11 December 2003 (2003-12-11) page 81, line 28 - line 28; table 3 page 84, line 9; table 3; sequence 69 page 85, line 8 - line 9; sequence 90 ----- -/--</td>
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<td>WO 2004/056991 A (EXONHIT THERAPEUTICS; SCHWEIGHOFFER, FABIEN; PETIT, SILVERE; VALENTIN,) 8 July 2004 (2004-07-08) page 14, line 11 - line 19</td>
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<td>page 7, line 18 - line 22; sequences 3,4</td>
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Form PCT/USA210 (continuation of second sheet) (January 2021)
INTERNATIONAL SEARCH REPORT

Box No. 1  Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

   a. type of material
      - [X] a sequence listing
      - [ ] table(s) related to the sequence listing

   b. format of material
      - [X] in written format
      - [X] in computer readable form

   c. time of filing/furnishing
      - [X] contained in the international application as filed
      - [X] filed together with the international application in computer readable form
      - [ ] furnished subsequently to this Authority for the purpose of search

2. [ ] In addition, in the case that more than one version or copy of a sequence listing and/or table related thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:
# INTERNATIONAL SEARCH REPORT

**Box 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:

   Although claims 3 to 10 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 8.4(a).

**Box 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:

*see additional sheet*

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.:

   1-10 and 13-15 (all completely)

**Remark on Protest**

[ ] The additional search fees were accompanied by the applicant's protest.

[ ] No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10 and 13-15 (all completely)

   fragments of cytomegocin polypeptide of SEQ ID NO:2 and of polynucleotide of SEQ ID NO:1; immunoglobulin specifically binding to cytomegocin; methods of diagnosing cytomegocin-related disorders comprising evaluating the sequence, expression or activity of cytomegocin; and methods of treating cytomegocin-related disorders using cytomegocin or a polynucleotide or inhibitors thereof

2. claims: 11-12 (all completely)

   a method of purifying proteins which comprises ROOGE
### INTERNATIONAL SEARCH REPORT

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<td>WO 03102018 A</td>
<td>11-12-2003</td>
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