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(54) Title: METHODS FOR DIAGNOSING AND TREATING NEOPLASIAS USING NF-AT TRANSCRIPTION FACTORS

(57) Abstract: Described is a method for diagnosing a neoplasia by determining whether the level of one or more NF-AT transcription factor(s) is reduced. Moreover, methods for screening compounds which activate an NF-AT or which mimic the function of NF-AT are disclosed. Also disclosed are methods for the prevention or treatment of neoplasias by increasing the activity of an NF-AT.



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# INTERNATIONAL SEARCH REPORT

International Application No  
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 G01N33/48 A61K38/00 A61K48/00

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 C12Q A61K

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, PAJ, BIOSIS, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                                 | Relevant to claim No. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | WO 00 24245 A (HARVARD COLLEGE)<br>4 May 2000 (2000-05-04)<br>page 14, line 30 -page 16, line 13<br>page 2, line 20 - line 33<br>abstract<br>page 19, line 28 -page 23, line 13<br>page 33, line 21 -page 34, line 23<br>page 28, line 23 -page 40, line 9; claims<br>3-31                         | 13-17                 |
| X          | WO 01 55349 A (HOGAN PATRICK G ;RAO ANJANA<br>(US); CT FOR BLOOD RES INC (US))<br>2 August 2001 (2001-08-02)<br>page 5, line 10 -page 6, line 4<br>page 15, line 24 - line 29<br>page 17, line 14 -page 18, line 5<br>page 35, line 1 -page 44, line 17<br>page 65, line 4 - line 9<br>---<br>-/-- | 13-17                 |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                                                                                                                             | Relevant to claim No. |
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| X          | <p>WO 95 08554 A (UNIV LELAND STANFORD JUNIOR) 30 March 1995 (1995-03-30)<br/>page 7, line 13 -page 10, line 29<br/>abstract<br/>page 8, line 7 -page 9, line 34<br/>page 12, line 8 - line 34<br/>page 24, line 1 -page 26, line 26<br/>page 34, line 1 -page 45, line 35<br/>page 54, line 12 - line 36; figure 6;<br/>example 5</p>                                                         | 13,14                 |
| X          | <p>-----<br/>NORTHROP J P ET AL: "NF-AT COMPONENTS DEFINE A FAMILY OF TRANSCRIPTION FACTORS TARGETED IN T-CELL ACTIVATION"<br/>NATURE, MACMILLAN JOURNALS LTD. LONDON, GB,<br/>vol. 369, 9 June 1994 (1994-06-09), pages 497-502, XP002065105<br/>ISSN: 0028-0836<br/>cited in the application<br/>abstract<br/>page 499, column 2, paragraph 1 -page 500, column 1, paragraph 1; figure 2</p> | 13                    |
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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PCT/EP 02/09012

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)                                                                                                                                                                                                                                                                                                        | Publication<br>date                                                                                                                                                                                                                                                    |
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