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(54) Title: PYRROLO[2,3-B]PYRIDIN-4-YL-AMINES AND PYRROLO[2M3-B]PYRIMIDIN-4-YL-AMINES AS JANUS KINASE INHIBITORS

(57) Abstract: The present invention provides pyrrolo[2,3-b]pyridine-4-yl amines pyrrolo[2,3-b]pyrimidin-4-yl amines that modulate the activity of Janus kinases and are useful in the treatment of diseases related to activity of Janus kinases including, for example, immune-related diseases and cancer.

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# INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/46207

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): **C07D 471/02,491/02,498/02,513/02,515/02;A01N 43/42**( 2006.01);**A61K 31/44**( 2006.01)

USPC: 546/113;514/300
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)
U.S. : 546/113;514/300

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 practicable, search terms used)
STN:REGISTRY:CAPLUS:EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | US 6,486,322 A (LONGO et al) 26 November 2002 (26.11.2002), claim 1. | 1-60 |
| X | US 6,335,342 A (LONGO et al) 01 January 2002 (01.01.2002), claim 1. | 1-27,32-60 |
| X | US 2003/0165576 A (FUJII et al) 04 September 2003 (04.09.2003), claim 1. | 1-27,32-60 |
| X | ISHIZAKI et al. Pharmacology properties of Y-27632, a specific inhibitor of Rho-associated kinases,Molecular Pharmacology,2000, Vol. 57, pages 976-983. | 1-27,32-60 |

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