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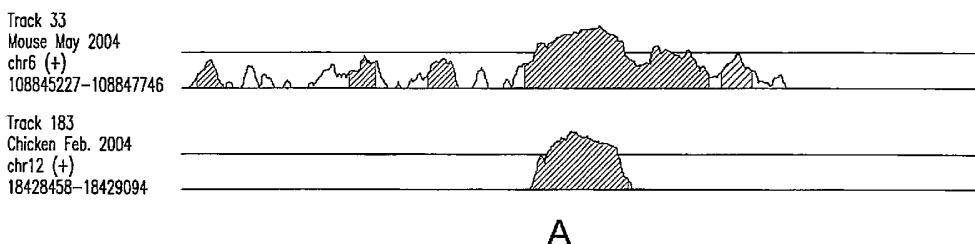
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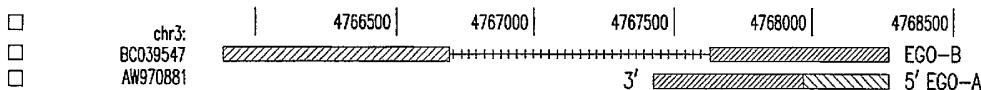
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(54) Title: METHODS AND COMPOSITIONS RELATED TO EOSINOPHIL REGULATION



A



B

(57) Abstract: Disclosed are compositions and methods for regulating eosinophils.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/11839

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61K 36/14, 51/00; C12N 5/06 (2007.01)
 USPC - 424/1.41

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)
 USPC: 435/1.41, 6, 91.4, 252.3, 320.1, 333; 530/350; 536/23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 USPC: 435/6, 91.4, 252.3, 320.1, 333; 530/350; 536/23.5

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWest: PGPB,USPT,USOC,EPAB,JPAB Google Patents, Google Scholar, Google
 siRNA, Eosinophil, inhibit, inhibitor, viral vector, IL-5, retroviral,inhibitor, EGO, eosinophil granule ontogeny , eosinophil granule protein
 transcript, Friend of Eosinophil ,Development, asthma, 4-Amino-N-pyridin-3-yl-methylbenzamide.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | US2006/0040313 A1 (Li et al.) 23 February 2006 (23.02.2006) para [0049]-[0050], [0052], [0097], [0099], [0104], [0109]-[0111] | 1-2 and 5-6 |
| - | | |
| Y | | 3-4, 10, 17 and 26 |
| X | | |
| - | Okada et al. Lidocaine and its Analogues Inhibit IL-5-Mediated Survival and Activation of Human Eosinophils The Journal of Immunology; 1998; 160: 4010-4017; Abstract | 7-8 |
| Y | | 9-15, 21-23 and 25-27 |
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| - | Adachi et al. A Novel Lyn-Binding Peptide Inhibitor Blocks Eosinophil Differentiation, Survival, and Airway Eosinophilic Inflammation. The Journal of Immunology, 1999, Vol 163: 939-946 | 18-19 and 24 |
| Y | | 20-23 |
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| Y | US 5,631,267 A (Gleich et al.) 20 May 1997 (20.05.1997) | 25-27 |
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| Y | Zon et al. Expression of mRNA for the GATA-binding proteins in human eosinophils and basophils: potential role in gene transcription? The American Society of Hematology, 15 June 1993 Vol 81, lss 12, pp 3234-3241; Abstract | 4, 9, 11-13 and 16-17 |
| Y | McKinnon et al. An Interleukin 5 Mutant Distinguishes between Two Functional Responses in Human Eosinophils. JEM, 7 July 1997, Vol 186, No 1, pp 121-129; Abstract | 20 |

Further documents are listed in the continuation of Box C.

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"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

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