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(54) Title: CELLULAR RECEPTORS USED IN THE TREATMENT OF INFLAMMATORY DISEASE

(57) Abstract: This invention describes a method of utilizing soluble receptors such as tumor necrosis factor receptor or interleukin receptor to carry pharmaceutical compounds to areas of inflammation. Patients with inflammatory disease such as arthritis, or cardiomyopathy or other inflammatory conditions may benefit from this treatment.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A61K 38/00(2007.01)

USPC: 514/12

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. : 514/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Please See Continuation Sheet

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TOUSSIROT et al., The use of TNF-alpha blocking Agents in Rheumatoid Arthritis: an Overview, Expert Opinion Pharmacotherapy, 2004, Vol 5, No. 3, pages 581-594.	1-15
A	DAYER, J-M. The Process of Identifying and Understanding Cytokines: from Basic Studies to Treating Rheumatic Diseases Best Practice & Research Clinical Rheumatology, 2004, Vol 18, No. 1, pages 31-45	1-15
A	BUSH et al., Effects of a PEGylated Soluble Receptor Type 1 (PEG sTNF-RI) on cytokine Expression in Adjuvant Arthritis Scand. J. Rheumatol. 2002, Vol 31, pages 198-204.	1-15
A	EDWARDS et al Design of PEGylated Soluble Tumor Necrosis Factor Receptor Type I (PEG sTNF-RI) for Chronic Inflammatory Diseases Advanced Drug Delivery Reviews 2003, Vol 55, pages 1315-1336.	1-15
A	US 2002/0010180 A1 (FELDMAN et al) 24 January 2002 (24.01.2002), pages 19, column 1.	1-15



Further documents are listed in the continuation of Box C.



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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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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"O"	document referring to an oral disclosure, use, exhibition or other means		
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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/US05/42366**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7,045,498 B2 (KINDSVOGEL et al) 16 May 2006 (16.05.2006), column 90, lines 10-14	9-10

INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of B. FIELDS SEARCHED Item 2:
EAST: PGPUB, USPAT, EPO, JPO, and DERWENT

search terms: arthritis, soluble receptors, treatment, soluble TNF receptor, soluble interleukin receptor, drug delivery.

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