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(54) Title: METHODS AND COMPOSITIONS FOR TREATING AND PREVENTING SKIN DISORDERS USING BINDING AGENTS SPECIFIC FOR PSMA

(57) Abstract: Methods and compositions for treating, preventing, or diagnosing epidermal or dermal disorders, e.g., psoriasis, are disclosed. The methods and compositions of the invention use binding agents, e.g., antibodies, specific for the extracellular domain of human prostate specific membrane antigen (PSMA).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/17204

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 16/00; A61K 39/395
 US CL : 530/387.1, 387.3, 388.1, 388.8, 388.85, 391.1; 424/130.1, 133.1, 155.1, 156.1, 178.1, 181.1, 183.1

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. : 530/387.1, 387.3, 388.1, 388.8, 388.85, 391.1; 424/130.1, 133.1, 155.1, 156.1, 178.1, 181.1, 183.1

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)
 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.
Y	US 6,200,765 B1 (MURPHY ET AL) 13 March 2001 (13/03/01), see entire document, especially column 6, lines 25-30.	1-20, 23-25, 27-60
Y	US 6,150,508 A (MURPHY ET AL) 21 November 2000 (21/11/00), see entire document, especially column 3, lines 35-45, column 14, lines 30-40.	1-20, 23-25, 27-60
Y	US 6,168,778 B1 (JANJIC ET AL) 02 January 2001 (02/01/01), see entire document, especially column 5, lines 47-52.	1-20, 23-25, 27-60
Y	US 5,416,064 A (CHARI ET AL) 16 May 1995 (16/05/95), see entire document, especially column 5-6.	30-32
P,Y	US 6,342,221 B1 (THORPE ET AL) 29 January 2002 (29/01/02), see entire document, especially column 2, lines 20-30, column 42, lines 65-67, column 43, lines 1-4.	1-20, 23-25, 27-60

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input type="checkbox"/> See patent family annex.
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"E" earlier application or patent published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"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	

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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer <i>Telicia D. Roberts for</i> Larry R. Helms Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

PCT/US02/17204

Continuation of Item 4 of the first sheet:

Title is too long more than 17 words.

NEW TITLE:

Methods and Compositions for Treating and Preventing Skin Disorders Using Binding Agents Specific for PSMA

Continuation of B. FIELDS SEARCHED Item 3:

CAPLUS, MEDLINE, CANCERLIT, BIOSIS, WEST, USPATFULL, SWISSPROT, PIR, GENESEQ, SPTREMBL

Search terms: PSMA, prostate specific membrane antigen, epidermal cell, dermal cell, skin disorder, psoriasis, E99, J415, J533, J591, SEQ ID NO:1-6, 29-34, 19-20, maytansinoid, cytotoxic conjugate, extracellular domain of PSMA, antibody, anti-PSMA