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Zur Erklärung der Zweibuchstaben-Codes und der anderen
Abkürzungen wird auf die Erklärungen ("Guidance Notes on
Codes and Abbreviations") am Anfang jeder regulären Ausgabe
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WO 02/092795 A3

(54) Title: INTRACELLULAR BONDING OF COSTIMULATORY MOLECULES

(54) Bezeichnung: INTRAZELLULÄRE BINDUNG COSTIMULATORISCHER MOLEKÜLE

(57) Abstract: The invention relates to antigen-presenting cells or the precursory cells thereof including stem cells. The invention is characterised in that in the antigen-presenting cells produce B7-receptor bonding molecules, which bind receptors of the B7-family in an intercellular manner. The invention is based on a reduction of specific immune reactions. According to said method, antigen-presenting cells lead to the suppression of rejection reactions to transplants.

(57) Zusammenfassung: Antigen-präsentierende Zelle oder deren Vorläuferzellen einschließlich Stammzellen, dadurch gekennzeichnet, dass in der antigen-präsentierenden Zelle B7-Rezeptor bindende Moleküle produziert werden, welche Rezeptoren der B7-Familie intrazellulär binden. Die Erfindung beruht auf einer Reduktion von spezifischen Immunreaktionen. Bei dem Verfahren werden Antigen-produzierende Zellen zur Unterdrückung von Abstoßungsreaktionen gegen Transplantate veranlasst.

INTERNATIONAL SEARCH REPORT

Interq | Application No
PC1/LR 02/05403

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N5/08 A61K48/00 A61K35/14 A61P37/00				
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 A61K C12N				
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, BIOSIS, MEDLINE, PAJ, WPI Data				
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 66715 A (SHERIFF A.) 9 November 2000 (2000-11-09) cited in the application page 44 -page 49	1-20		
A	--- TSENG SU-YI ET AL: "B7-DC, a new dendritic cell molecule with potent costimulatory properties for T cells" JOURNAL OF EXPERIMENTAL MEDICINE, TOKYO, JP, vol. 193, no. 7, 2 April 2001 (2001-04-02), pages 839-845, XP002189416 ISSN: 0022-1007 the whole document --- -/--	1-20		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.			
° Special categories of cited documents :				
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *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) *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	*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 *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 *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			
Date of the actual completion of the international search	Date of mailing of the international search report			
24 October 2002	07/11/2002			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Moreau, J			

INTERNATIONAL SEARCH REPORT

International Application No
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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.
A	<p>MANDELBROT DIDIER A ET AL: "B7-dependent T-cell costimulation in mice lacking CD28 and CTLA4." JOURNAL OF CLINICAL INVESTIGATION, vol. 107, no. 7, April 2001 (2001-04), pages 881-887, XP002218129 ISSN: 0021-9738 the whole document</p> <p style="text-align: center;">---</p>	1-20
P, A	<p>WO 02 12453 A (GENETHOR GMBH) 14 February 2002 (2002-02-14) the whole document</p> <p style="text-align: center;">-----</p>	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT, LP 02/05403
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