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<p>(21) International Application Number: PCT/US94/13188</p> <p>(22) International Filing Date: 21 November 1994 (21.11.94)</p> <p>(30) Priority Data: 93402846.5 23 November 1993 (23.11.93) EP (34) Countries for which the regional or international application was filed: AT et al.</p> <p>(71) Applicant (for all designated States except US): SCHERING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): GARRONE, Pierre [FR/FR]; 15, rue des Alouettes, F-69008 Lyon (FR). DJOSSOU, Odile [FR/FR]; Chemin du Gareizin, F-69340 Francheville (FR). FOSSIEZ, François [FR/FR]; 51, résidence de la Voie-Romaine, F-69290 Craponne (FR). BANCHEREAU, Jacques [FR/FR]; 25, avenue Paul-Santy, F-69130 Ecully (FR).</p> <p>(74) Agent: BLASDALE, John, H., C.; Schering-Plough Corporation, Patent Dept. K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).</p>		<p>(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, NO, NZ, PL, RO, RU, SI, SK, TJ, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p> <p>(88) Date of publication of the international search report: 22 June 1995 (22.06.95)</p>
<p>(54) Title: HUMAN MONOCLONAL ANTIBODIES AGAINST HUMAN CYTOKINES AND METHODS OF MAKING AND USING SUCH ANTIBODIES</p>		
<p>(57) Abstract</p> <p>Human monoclonal antibodies against a human cytokine (such as a human interleukin, e.g., human IL-1α) and fragments of such antibodies are disclosed, together with pharmaceutical compositions and methods employing the human monoclonal antibodies and fragments, methods for screening for human monoclonal antibodies against a human protein, methods for producing a cDNA library enriched in DNA encoding V_H and/or V_L chains of a human monoclonal antibody, cell lines for making the human monoclonal antibodies, and isolated DNA for making the human monoclonal antibodies and fragments of the invention.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 94/13188

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/13 C07K16/24 A61K39/395 C12N5/08

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 6 C07K 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X Y A	EP,A,0 267 611 (OTSUKA PHARMACEUTICAL CO.) 18 May 1988 see example 2	1-4, 6, 21-23 29-32 5
X Y A	--- EP,A,0 314 402 (SCHERING BIOTECH CORP.) 3 May 1989 see page 3, line 5 - line 43 see page 4, line 18 - line 31	1-3, 15, 18, 20-28 29-32 7-17
X A	--- WO,A,90 06371 (COMMISSARIAT A L'ENERGIE ATOMIQUE) 14 June 1990 see page 8, line 15 - line 30 --- -/--	1-4 14

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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