30/08/02
1002052629

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number
WO 01/68710 A1

(51) International Patent Classification[7]: C07K 16/28, G01N 33/577, 33/68, C12N 5/20

(21) International Application Number: PCT/IL01/00216

(22) International Filing Date: 8 March 2001 (08.03.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
135025 13 March 2000 (13.03.2000) IL
139217 23 October 2000 (23.10.2000) IL

(71) Applicant *(for all designated States except US)*: **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; Pietermaai 15, Curacao (AN).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **YONAH, Nachum** [IL/IL]; Remez Street 6, 70700 Gedera (IL). **SUISSA, Dany** [IL/IL]; Moskowitz Street 28, 76468 Rehovot (IL). **BELZER, Ilana** [IL/IL]; Harashba Street 10, 75483 Rishon Le-Zion (IL).

(74) Agent: **EINAV, Henry**; Inter-Lab Ltd., Science-based Industrial Park, Kiryat Weizmann, 76110 Ness-Ziona (IL).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/68710 A1

(54) Title: MONOCLONAL ANTIBODIES TO THE HUMAN LDL RECEPTOR, THEIR PRODUCTION AND USE

(57) Abstract: There are provided monoclonal antibodies to the human LDL receptor which are useful for the identification and purification of LDL and in treatment of e.g. hepatitis C infection.

162162

ACTION