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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 June 2011 (30.06.2011)

PCT

(10) International Publication Number
WO 2011/076883 A1

(51) **International Patent Classification**:
C07K 16/08 (2006.01)

(21) **International Application Number**:
PCT/EP2010/070568

(22) **International Filing Date**:
22 December 2010 (22.12.2010)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:

09015951.8	23 December 2009 (23.12.2009)	EP
61/289,835	23 December 2009 (23.12.2009)	US
10003669.8	1 April 2010 (01.04.2010)	EP
61/320,057	1 April 2010 (01.04.2010)	US

(71) **Applicants** *(for all designated States except US)*: **4-ANTIBODY AG** [DE/DE]; Bioinstrumentezentrum, Winzerlaer Strasse 2, 07745 Jena (DE). **FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG** [DE/DE]; Schlossplatz 4, 91054 Erlangen (DE).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **GRAWUNDER, Ulf** [DE/CH]; c/o 4-Antibody AG, Wro-1096.3, Schwarzwaldallee 215, CH-4002 Basel (CH). **MACH, Michael** [DE/DE]; Franzosenweg 63, 91058 Erlangen (DE). **MARTIN-PARRAS, Luis** [ES/DE]; c/o 4-Antibody AG, Bioinstrumentezentrum, Winzerlaer Strasse 2, 07745 Jena (DE). **PÖTZSCH, Sonja** [DE/DE]; Roter Weg 13, 91230 Happurg (DE). **SPINDLER, Nadja** [DE/DE]; Luitpoldstrasse 22, 91054 Erlangen (DE). **STICHT, Heinrich** [DE/DE]; Königswarterstrasse 56, 90762 Fürth (DE). **WIEGERS, Anna-Katharina** [DE/DE]; Obere Krämersgasse 24, 90403 Nürnberg (DE). **WINKLER, Thomas** [DE/DE]; Schillerstrasse 69, 91054 Erlangen (DE).

(74) **Agent**: **VOSSIUS & PARTNER**; Siebertstraße 4, 81675 München (DE).

(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2011/076883 A1

(54) **Title**: BINDING MEMBERS FOR HUMAN CYTOMEGALOVIRUS

(57) **Abstract**: The invention relates to binding members, especially antibody molecules, which neutralise the biological effects of human cytomegalovirus (hCMV). The binding members are useful for the treatment and prophylaxis of hCMV infection.