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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 December 2010 (02.12.2010)

PCT

(10) International Publication Number
WO 2010/138939 A1

(51) International Patent Classification:
A61K 39/00 (2006.01) *C07K 16/00* (2006.01)
A61K 39/395 (2006.01)

(21) International Application Number:
PCT/US2010/036761

(22) International Filing Date:
28 May 2010 (28.05.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/182,679	29 May 2009 (29.05.2009)	US
61/252,571	16 October 2009 (16.10.2009)	US
61/313,001	11 March 2010 (11.03.2010)	US

(71) Applicant *(for all designated States except US)*: **XOMA TECHNOLOGY LTD.** [US/US]; c/o XOMA (US) LLC, 2910 Seventh Street, Berkeley, California 94710 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SCANNON, Patrick J.** [US/US]; c/o XOMA Legal, 2910 Seventh Street, Berkeley, California 94710 (US). **SOLINGER, Alan M.** [US/US]; c/o XOMA Legal, 2910 Seventh Street, Berkeley, California 94710 (US). **FELDSTEIN, Jeffrey D.** [US/US]; c/o XOMA Legal, 2910 Seventh Street, Berkeley, California 94710 (US).

(74) Agents: **BETTI, Christopher J.** et al.; K&L GATES LLP, P.O. Box 1135, Chicago, Illinois 60690-1135 (US).

(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, 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))*

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

WO 2010/138939 A1

(54) **Title**: CARDIOVASCULAR RELATED USES OF IL-1ß ANTIBODIES AND BINDING FRAGMENTS THEREOF

(57) **Abstract**: Disclosed are methods for the reduction, prevention or treatment of cardiovascular events and/or cardiovascular diseases, including acute cardiovascular disease or chronic cardiovascular disease using anti-IL-1β binding molecules (e.g., IL-1β binding antibodies and fragments thereof). The present disclosure also relates to methods for prevention or treatment of cardiovascular events and/or cardiovascular diseases, including by reducing a cardiovascular event or disease.