

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
13 September 2018 (13.09.2018)



(10) International Publication Number
WO 2018/162446 A1

(51) International Patent Classification:

A61K 39/395 (2006.01) C07K 16/28 (2006.01)

(21) International Application Number:

PCT/EP2018/055404

(22) International Filing Date:

06 March 2018 (06.03.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

17159354.4 06 March 2017 (06.03.2017) EP

(71) Applicant: **MERCK PATENT GMBH** [DE/DE]; Frankfurt Strasse 250, 64293 Darmstadt (DE).

(72) Inventors: **RINALDI, Gianluca**; Via Gino Silvestrini 9, 00015 MONTEROTONDO (IT). **FRATARCANGELI, Silvia**; C.so Risorgimento 3, 03024 CEPRANO FR (IT). **SHOPIK, Michael James**; Via Publio Valerio 10, 00175 ROMA (IT). **DEL RIO, Alessandra**; Via Ildebrando Vivanti 108, 00144 ROMA (IT).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: AQUEOUS ANTI-PD-L1 ANTIBODY FORMULATION

(57) Abstract: The present invention relates to a novel anti-PD-L1 antibody formulation. In particular, the invention relates to an aqueous pharmaceutical formulation of the anti-PD-L antibody Avelumab.

WO 2018/162446 A1