

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 December 2021 (02.12.2021)



(10) International Publication Number
WO 2021/240436 A1

(51) International Patent Classification:

A61P 19/02 (2006.01) C07K 16/28 (2006.01)

(21) International Application Number:

PCT/IB2021/054652

(22) International Filing Date:

27 May 2021 (27.05.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/032,035	29 May 2020 (29.05.2020)	US
63/077,378	11 September 2020 (11.09.2020)	US
21315081.6	11 May 2021 (11.05.2021)	EP

(71) Applicant: **SANOFI BIOTECHNOLOGY** [FR/FR]; 54, rue La Boétie, 75008 Paris (FR).

(72) Inventors: **FORD, Kerri**; c/o Sanofi, 55 Corporate Drive, Mail Code: 55A-525, Bridgewater, New Jersey 08807 (US).
VAN HOOOSTRATEN, Hubert; c/o Sanofi, 55 Corporate Drive, Mail Code: 55A-525, Bridgewater, New Jersey 08807 (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, 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, IT, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(54) Title: COMPOSITIONS AND METHODS FOR TREATING NONINFLAMMATORY PAIN IN SUBJECTS WITH RHEUMATOID ARTHRITIS

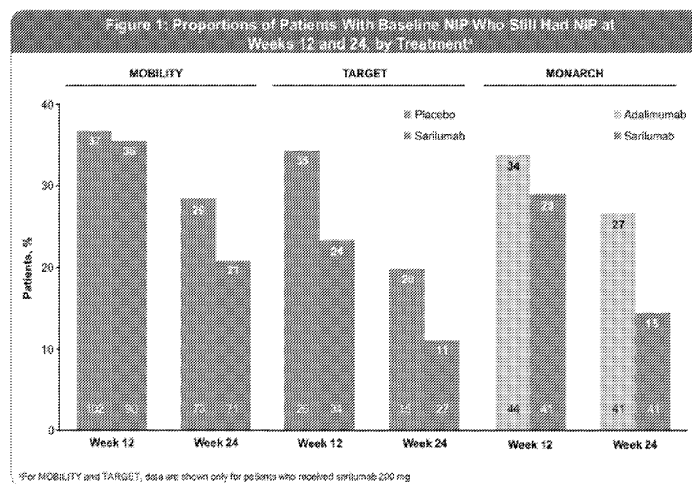


FIG. 1

(57) Abstract: The present disclosure relates to the use of an anti-IL6 receptor antibody for treating non-inflammatory pain in subjects with rheumatoid arthritis.