



- (51) **International Patent Classification:**
C07K 16/28 (2006.01) *A61K 39/00* (2006.01)
- (21) **International Application Number:**
PCT/US2015/036419
- (22) **International Filing Date:**
18 June 2015 (18.06.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/015,710 23 June 2014 (23.06.2014) US
- (71) **Applicant:** FIVE PRIME THERAPEUTICS, INC.
[US/US]; Two Corporate Drive, South San Francisco,
California 94080 (US).
- (72) **Inventors:** HAMBLETON, Julie; Two Corporate Drive,
South San Francisco, California 94080 (US). MAS-
TELLER, Emma; Two Corporate Drive, South San Fran-
cisco, California 94080 (US). ZANGHI, James; Two Cor-
porate Drive, South San Francisco, California 94080 (US).
SIKORSKI, Robert; Two Corporate Drive, South San
Francisco, California 94080 (US). XIANG, Hong; Two
Corporate Drive, South San Francisco, California 94080
(US).
- (74) **Agents:** SCARR, Rebecca B. et al.; 500 W. Silver Spring
Drive, Suite K-200, Glendale, Wisconsin 53217 (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, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
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:** METHODS OF TREATING CONDITIONS WITH ANTIBODIES THAT BIND COLONY STIMULATING FACTOR 1 RECEPTOR (CSF1R)

(57) **Abstract:** Methods of treating conditions with antibodies that bind colony stimulating factor 1 receptor (CSF1R) are provided. Such methods include, but are not limited to, methods of treating rheumatoid arthritis.

