



(51) International Patent Classification:

A61K 31/506 (2006.01) A61P 29/00 (2006.01)
C07D 403/14 (2006.01)

(21) International Application Number:

PCT/EP2012/074339

(22) International Filing Date:

4 December 2012 (04.12.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11306618.7 6 December 2011 (06.12.2011) EP

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

(72) Inventors: **RITZELER, Olaf**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **MOHNICKE, Mandy**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **BILLEN, Guenter**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **BAUMGARTNER, Bruno**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **BRÖCKELMANN, Martin**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **NAGEL, Norbert**; c/o Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE).

(74) Agent: **VENNE-DUNKER, Sabine**; c/o Sanofi-Aventis Deutschland GmbH, Patents Germany, Industriepark Höchst, Geb. K 801, 65926 Frankfurt am Main (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, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: CRYSTALLINE FORMS OF 2-(2-METHYLAMINO-PYRIMIDIN-4-YL)-1H-INDOLE-5-CARBOXYLIC ACID [(S)-1-CARBAMOYL-2-(PHENYL-PYRIMIDIN-2-YL-AMINO)-ETHYL]-AMIDE

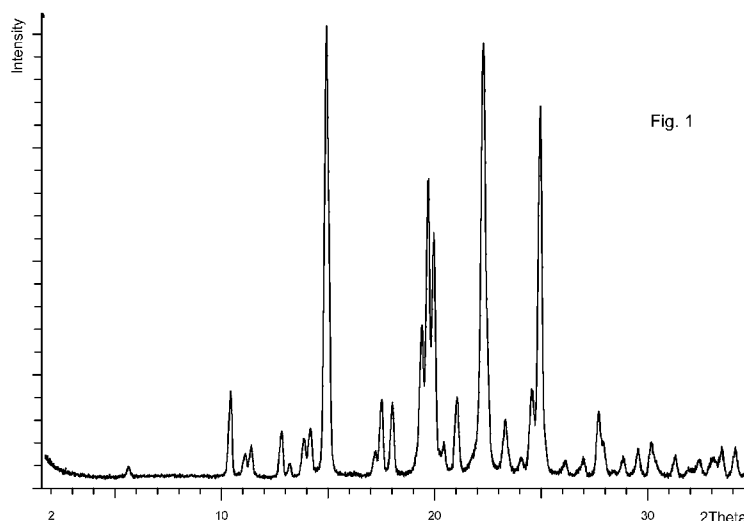


Fig. 1

(57) Abstract: The present invention relates to polymorphs and hydrates of 2-(2-methylamino-pyrimidin-4-yl)-1H-indole-5-carboxylic acid [(S)-1-carbamoyl-2-(phenyl-pyrimidin-2-yl-amino)-ethyl]-amide, processes for their preparation and their use, in particular in pharmaceutical compositions.