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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 January 2011 (13.01.2011)

PCT

(10) International Publication Number
WO 2011/005478 A2

(51) International Patent Classification:
A61K 9/20 (2006.01)

(21) International Application Number:
PCT/US2010/039346

(22) International Filing Date:
21 June 2010 (21.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/219,149 22 June 2009 (22.06.2009) US

(71) Applicant *(for all designated States except US)*: **WYETH LLC** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SEYER, Jeffery, J.** [US/US]; 2409 Grey Oak Drive, Richmond, VA 23236 (US). **CONDER, Amy, L.** [US/US]; 4050 Trisha Trail, Midlothian, VA 23112 (US). **TAYLOR, Angela, P.** [US/US]; 91 Old York Circle, Clayton, NC 27527 (US). **SHAW, Bonny, Rene** [US/US]; 9135 Tunstall Road, New Kent, VA 23124 (US).

(74) Agents: **JOHNSON, Stephen E.** et al.; Pfizer, Inc., Patent Law Department, Five Giralda Farms, Madison, NJ 07940 (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,

[Continued on next page]

(54) Title: SODIUM IBUPROFEN TABLETS AND METHODS OF MANUFACTURING PHARMACEUTICAL COMPOSITIONS INCLUDING SODIUM IBUPROFEN

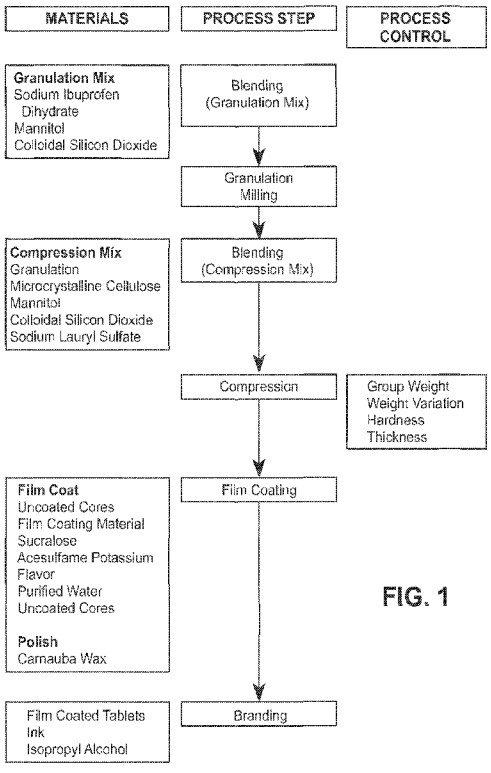


FIG. 1

(57) Abstract: Sodium ibuprofen compositions and methods of manufacturing tablets and caplets comprising sodium ibuprofen are described. The formulation is advantageous because it allows for the formation of tablets having low sodium content and further provides tablets exhibiting improved physical stability, high tablet hardness and high strength, coupled with excellent dissolution and bioavailability characteristics. The formulations and processes are further advantageous because they can be produced in large quantities without an unacceptable number of defective tablets.

WO 2011/005478 A2

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:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*