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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 November 2011 (24.11.2011)

PCT

(10) International Publication Number
WO 2011/144677 A1

(51) **International Patent Classification**:
A61K 9/10 (2006.01) ***A61K 47/18*** (2006.01)
A61K 31/19 (2006.01)

(21) **International Application Number**:
PCT/EP2011/058087

(22) **International Filing Date**:
18 May 2011 (18.05.2011)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
PCT/ES2010/070330 18 May 2010 (18.05.2010) ES

(71) **Applicant** *(for all designated States except US)*: **SPAIN PHARMA, S.A.** [ES/ES]; Cólquide, 6, portal 2, E-28230 Las Rozas (Madrid) (ES).

(72) **Inventors; and**
(75) **Inventors/Applicants** *(for US only)*: **ORTÚZAR ANDÉCHAGA, Ignacio** [ES/ES]; Cólquide, 6, portal 2, E-28230 Las Rozas (Madrid) (ES). **ORTÚZAR GUTIÉRREZ, Mario** [ES/ES]; Cólquide, 6, portal 2, E-28230 Las Rozas (Madrid) (ES).

(74) **Agents**: **ELZABURU MARQUEZ, Alberto de** et al.; Miguel Angel, 21, 2º, E-28010 Madrid (ES).

(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, 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).

Published:
— *with international search report (Art. 21(3))*

WO 2011/144677 A1

(54) **Title**: PHARMACEUTICAL COMPOSITION OF IBUPROFEN FOR INJECTION

(57) **Abstract**: Pharmaceutical composition of ibuprofen for injection that comprises an aqueous solution of ibuprofen and trometamol. These compositions display a minimal loss of active principle and acceptable increase of impurities after autoclaving, properties that have been demonstrated in various types of containers, such as containers made of plastics such as polypropylene, PVC and polyethylene, as well as in glass containers. These compositions, after undergoing autoclaving, still comply with all the relevant technical specifications of the European Pharmacopoeia and of the USP.