



(51) International Patent Classification:

C07D 233/00 (2006.01) *C07C 15/44* (2006.01)
C07D 233/58 (2006.01) *C07C 33/20* (2006.01)
C07D 303/04 (2006.01) *C07C 47/228* (2006.01)

(21) International Application Number:

PCT/EP2012/072796

(22) International Filing Date:

15 November 2012 (15.11.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12167134.1	8 May 2012 (08.05.2012)	EP
61/644,284	8 May 2012 (08.05.2012)	US
PCT/EP2012/070870		
	22 October 2012 (22.10.2012)	EP
12192612.5	14 November 2012 (14.11.2012)	EP

(71) Applicant: **LONZA LTD** [CH/CH]; Lonzastrasse, CH-3930 Visp (CH).

(72) Inventors: **ZARAGOZA DOERWALD, Florencio**; Baretstrasse 2, CH-3930 Visp (CH). **KULESZA, Anna**; Eggustrasse, CH-3938 Ausserberg (CH). **ELZNER, Stephan**; Apollostrasse 6, CH-3902 Brig-Glis (CH). **BUJOK, Robert**; Sokolowska 6m. 34, PL-01-136 Warszawa (PL). **WROBEL, Zbigniew**; Zwiazku Walki Mlodych 16m. 26, PL-02-786 Warszawa (PL). **WOJCIECHOWSKI, Krzysztof**; Gubinowska 7m. 148, PL-02-956 Warszawa (PL).

(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:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)
- without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: METHOD FOR PREPARATION OF MEDETOMIDINE

(57) Abstract: The invention discloses a method for the preparation of medetomidine starting from 1-bromo 2,3-dimethylbenzene and acetone.



WO 2013/011155 A2