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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 October 2002 (17.10.2002)

PCT

(10) International Publication Number
WO 02/080927 A1

(51) International Patent Classification[7]: A61K 31/5415, 31/415, 31/365, 31/42, A61P 13/00, A61K 31/444, 31/4439, 31/427, 31/18

(21) International Application Number: PCT/EP02/03850

(22) International Filing Date: 5 April 2002 (05.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2001A000733 5 April 2001 (05.04.2001) IT

(71) Applicant *(for IT only)*: **RECORDATI INDUSTRIA CHIMICA E FARMACEUTICA SPA** [IT/IT]; Via Civitali 1, I-20148 Milan (IT).

(71) Applicant *(for all designated States except IT)*: **RECORDATI S.A., CHEMICAL AND PHARMACEUTICAL COMPANY** [CH/CH]; Piazzo Boffalora, 4, CH-6830 Chiasso (CH).

(72) Inventors: **LEONARDI, Amedeo**; Via Poliziano, 16, I-20154 Milano (IT). **TESTA, Rodolfo**; Via Pertini, 3/8, I-20060 Vignate (IT). **GUARNERI, Luciano**; Via Canova, 18, I-20024 Garbagnate Milanese (IT).

(74) Agent: **SERJEANTS**; 25 The Crescent, King Street, Leicester LE1 6RX (GB).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 02/080927 A1

(54) Title: USE OF SELECTIVE COX-2 INHIBITORS FOR THE TREATMENT OF URINARY INCONTINENCE

(57) Abstract: Compounds that significantly inhibit the COX-2 isozyme and exhibit an inhibitory potency for the COX-2 isozyme that is at least 10-fold greater than the inhibitory potency said compound exhibits for the COX-2 isozyme are useful for the preparation of medicaments for the treatment of neuromuscular dysfunction of the lower urinary tract.