



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07D 315/00	A1	(11) International Publication Number: WO 99/35139 (43) International Publication Date: 15 July 1999 (15.07.99)
(21) International Application Number: PCT/EP99/00003 (22) International Filing Date: 4 January 1999 (04.01.99) (30) Priority Data: MI98A000021 9 January 1998 (09.01.98) IT (71) Applicant (for all designated States except US): LONZA S.P.A. [IT/IT]; Via Vittor Pisani, 31, I-20124 Mailand (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): CASTIGLIONI, Gian, Luca [IT/IT]; Via Roseto, 15, I-47036 Riccione (IT). FUMAGALLI, Carlo [IT/IT]; Via C. Albani, 2/a, I-24061 Albano S. Alessandro (IT). (74) Agents: RAUBER, Beat et al.; Lonza AG, Patentabteilung, Postfach, CH-4002 Basel (CH).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: PROCESS FOR THE PRODUCTION OF GAMMA-BUTYROLACTONE		
(57) Abstract		
A new process for the production of gamma-Butyrolactone is described. Starting from maleic and/or succinic anhydride the conversion takes place in the presence of a catalyst composed of copper oxide and zinc oxide.		