



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07C 51/245	A1	(11) International Publication Number: WO 00/01654 (43) International Publication Date: 13 January 2000 (13.01.00)
(21) International Application Number: PCT/US99/13745 (22) International Filing Date: 17 June 1999 (17.06.99) (30) Priority Data: 09/110,641 6 July 1998 (06.07.98) US (71) Applicant: SOLUTIA INC. [US/US]; 10300 Olive Boulevard, Saint Louis, MO 63141 (US). (72) Inventors: RODKIN, Mikhail, A.; 3067 Cobblestone Drive, Pace, FL 32571 (US). PATTERSON, Andrew, M.; 10100 Noriega Drive, Pensacola, FL 32415 (US). URIARTE, Anthony, K.; 9221 Woodrun Court, Pensacola, FL 32514 (US). OPPENHEIM, Judith, P.; 13 Port Royal Way, Pensacola, FL 32501 (US). EBNER, Jerry, R.; 233 Bentwood Lane, St. Peters, MO 63376 (US). BUECHLER, Chris, R.; 27 Calle Hermosa, Pensacola Beach, FL 32561 (US). MOKRINKSKII, Vladimir Vasilievich; Apartment 94, 13 Russian Street, Novosibirsk 630058 (RU). SLAVINSKAYA, Elena Markovna; Apartment 94, 14 Ekvatomnaya Street, Novosibirsk 630058 (RU). NOSKOV, Alexander Stepanovich; Apartment 14, 9 Tsvetnoy Road, Novosibirsk 630058 (RU). ZOLOTARSKII, Ilya Aleksandrovich; Apartment 2, 9 Detskii Road, Novosibirsk 630058 (RU).		(74) Agent: LUNDELL, Craig, M.; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US). (81) Designated States: AE, 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, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, 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>
(54) Title: METHOD OF PRODUCING AN ALIPHATIC DIACID AND NITROUS OXIDE (57) Abstract An aliphatic diacid and nitrous oxide are produced by the following methods: the aliphatic dibasic acid is produced by oxidation of an hydrolylated aromatic compound with nitrous oxide to form the aliphatic dibasic acid and the nitrous oxide formed by reducing a mixture of a NOx containing gas stream and ammonia is employed in the making of the aliphatic diacid.		