

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12P 7/46, 13/02, 13/20, C12N 1/20	A1	(11) International Publication Number: WO 96/20282 (43) International Publication Date: 4 July 1996 (04.07.96)
(21) International Application Number: PCT/IB95/01143 (22) International Filing Date: 20 December 1995 (20.12.95) (30) Priority Data: 08/365,402 28 December 1994 (28.12.94) US (71) Applicant (for all designated States except US): SOLVAY ENZYMES, INC. [US/US]; 1003, Industrial Parkway, Elkhart, IN 46516 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): MIERS, James, M. [US/US]; Plum Street 209, Elkhart, IN 46514 (US). (74) Agent: NACHTRAB, Kevin; Solvay (Société Anonyme), Department of Industrial Property, 310, rue de Ransbeek, B-1120 Brussels (BE).		(81) Designated States: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: PRODUCTION OF ORGANIC ACIDS AND AMINO ACIDS (57) Abstract The use of strains of the genus <i>Microbacterium</i> for the production of organic acids or amino acids by the enzymatic conversion of a fumaric acid to the organic acid or amino acid desired, as well as methods for such use and the conversion solution produced by such use and the methods of the present invention are disclosed. The uses and the methods of the present invention provide the L-isomer form of the desired organic acid or amino acid produced thereby in the absence of the D-isomer form of the desired organic acid or amino acid. Also disclosed are reactants solutions which include the strain of the genus <i>Microbacterium</i> and the L-isomer form of either the organic acid or the amino acid.		