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(21) International Application Number: PCT/US99/15343 (22) International Filing Date: 7 July 1999 (07.07.99) (30) Priority Data: 60/092,935 15 July 1998 (15.07.98) US (71) Applicant: BRISTOL-MYERS SQUIBB COMPANY [US/US]; P.O. Box 4000, Princeton, NJ 08543-4000 (US). (72) Inventors: DONOVAN, Mary, Jo; 105 Nathan Drive, No. Brunswick, NJ 08902 (US). GOLDBERG, Steven; 100 Sunrise Drive, Gillette, NJ 07933 (US). HANSON, Ronald, L.; 54 Whitewood Drive, Morris Plains, NJ 07950 (US). JASS, Paul, A.; 315 East Pleasant Grove Road, Jackson, NJ 08527 (US). LI, Wen-Sen; 14 Dearborn Drive, Holmdel, NJ 07733 (US). PATEL, Ramesh, N.; 572 Cabot Hill Road, Bridgewater, NJ 08807 (US). RAMIG, Keith; 389 Lawn Ridge Road, Orange, NJ 07050 (US). SZARKA, Laszlo, J.; 5 Wellington Road, East Brunswick, NJ 08816 (US). VENIT, John, J.; 260 Dawes Road, No. Brunswick, NJ 08902 (US). (74) Agents: SORRENTINO, Joseph, M. et al.; Bristol-Myers Squibb Company, P.O. Box 4000, Princeton, NJ 08543-4000 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, 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: STEREOSELECTIVE REDUCTIVE AMINATION OF KETONES		
(57) Abstract Processes for stereoselective enzymatic conversion of certain keto carboxylic acid derivatives to form the corresponding alkylamino acid compounds are described. The invention also concerns an engineered yeast host cell containing recombinant nucleic acid capable of expressing a phenylalanine dehydrogenase, as well as an engineered host cell containing recombinant nucleic acid capable of expressing a phenylalanine dehydrogenase enzyme and nucleic acid capable of expressing a formate dehydrogenase enzyme.		