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(21) International Application Number: PCT/US96/08252 (22) International Filing Date: 31 May 1996 (31.05.96) (30) Priority Data: 08/466,094 6 June 1995 (06.06.95) US (71) Applicant: HAMPSHIRE CHEMICAL CORP. [US/US]; 55 Hayden Avenue, Lexington, MA 02173 (US). (72) Inventors: WOODBURY, Richard, P.; 9 Woodland Drive, Amherst, NH 03031 (US). GAUDETTE, Roger, R.; 8 Waterview Circle, Litchfield, NH 03103 (US). WOOD, F., David; Box 562-A, Suncook, NH 03275 (US). (74) Agents: LEMACK, Kevin, S. et al.; Nields & Lemack, Suite 8, 176 E. Main Street, Westboro, MA 01581 (US).	(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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). Published <i>With international search report.</i>	
(54) Title: PREPARATION OF ALKALI METAL ACYL AMINO ACIDS (57) Abstract A process of preparing alkali metal N-acyl amino acids, especially sodium N-acyl sarcosinates. The process of the invention eliminates the use of phosphorus trichloride or thionyl chloride and carboxylic acid chlorides. The process involves reacting the alkali metal N-acyl amino acid directly with a fatty acid at elevated temperatures with constant removal of water generated in the reaction.		