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(21) International Application Number: PCT/JP97/03340 (22) International Filing Date: 19 September 1997 (19.09.97) (30) Priority Data: 8/249561 20 September 1996 (20.09.96) JP (71) Applicant (for all designated States except US): MEIJI SEIKA KAISHA LTD. [JP/JP]; 4-16, Kyobashi 2-chome, Chuo-ku, Tokyo 104 (JP). (72) Inventors; and (75) Inventors/Applicants (for US only): YASUI, Kiyoshi [JP/JP]; Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). ONODERA, Masahiro [JP/JP]; Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). SUKEGAWA, Masamichi [JP/JP]; Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). WATANABE, Tatsuo [JP/JP]; Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). YAMAMOTO, Yuichi [JP/JP]; Gifu Factories Meiji Seika Kaisha Ltd., 2890, Kitakata, Kitakata-cho, Motosu-gun, Gifu 501-04 (JP). MURAI, Yasushi [JP/JP];		Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). IINUMA, Katsuharu [JP/JP]; Pharma-Technology Research Laboratories, Meiji Seika Kaisha Ltd., 788, Kayama, Odawara-shi, Kanagawa 250 (JP). (74) Agents: YAGITA, Shigeru et al.; Bussan Building Bekkan, 1-15, Nishi Shimbashi 1-chome, Minato-ku, Tokyo 105 (JP). (81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), 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: A CRYSTALLINE SUBSTANCE OF CEFIDITOREN PIVOXYL AND THE PRODUCTION OF THE SAME (57) Abstract As a novel substance is provided a new, crystalline substance of Cefditoren pivoxyl which has a high purity and an enhanced thermal stability on storage. This crystalline Cefditoren pivoxyl may be prepared by a process comprising a step of dissolving amorphous substance of Cefditoren pivoxyl in an anhydrous, first organic solvent capable of dissolving said amorphous substance well therein, and steps of replacing the first organic solvent component of the resulting solution by an anhydrous alkanol of 1 to 5 carbon atoms as a second organic solvent, in such a manner that the firstly prepared solution of Cefditoren pivoxyl in the first organic solvent is mixed with a volume of the alkanol and then is concentrated below 15 °C under reduced pressure, and so on. Thereby, the process proceeds so as to produce a solution containing 50 mg/ml to 250 mg/ml of Cefditoren pivoxyl dissolved in the alkanol alone. From the latter solution, crystals of Cefditoren pivoxyl are induced to deposit by addition of water at a temperature of 0 - 10 °C. The resulting admixture of the concentrated solution of Cefditoren pivoxyl in alkanol with added water and the deposited Cefditoren pivoxyl is then agitated 10 °C or below, to effect a complete crystallization of Cefditoren pivoxyl.		