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(21) International Application Number: PCT/US99/11005 (22) International Filing Date: 18 May 1999 (18.05.99) (30) Priority Data: 09/098,060 16 June 1998 (16.06.98) US (71) Applicant: HFM INTERNATIONAL, INC. [US/US]; 2020 South Dairy Ashford, Houston, TX 77077 (US). (72) Inventors: LAMSHING, Wiston; 22810 Whitewater Creek Circle, Katy, TX 77450 (US). LEE, Fu-Ming; 2102 Cherrington Drive, Katy, TX 77450 (US). WYTCHERLEY, Randi, Wright; 6933 Springhill Community Road, Belgrade, MT 59714 (US). (74) Agents: CANTRELL, Thomas, L. et al.; Jenkins & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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 TO REDUCE CARBOXYBENZALDEHYDE ISOMERS IN TEREPHTHALIC ACID OR ISOPHTHALIC ACID		
(57) Abstract A method for reducing carboxybenzaldehyde isomers in crude terephthalic and/or isophthalic acids is described. Crude TPA or IPA is dissolved in N-methyl pyrrolidone and is subsequently contacted with an oxidant, such as substantially anhydrous hydrogen peroxide, to convert the carboxybenzaldehyde isomer (4-CBA or 3-CBA) to TPA or IPA under moderate temperature and pressure conditions.		