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(21) International Application Number: PCT/US96/17524 (22) International Filing Date: 1 November 1996 (01.11.96) (30) Priority Data: 08/552,904 3 November 1995 (03.11.95) US (71) Applicant: GENEPRINT, INC. [US/US]; 15 Cynwyd Road, Bala Cynwyd, PA 19004 (US). (72) Inventors: KRACKOV, Mark, Harry; 906 Brinton's Bridge Road, West Chester, PA 19382-8110 (US). BELLIS, Harold, Edward; 1 Hillvale Circle, Wilmington, DE 19808-3631 (US). (74) Agents: WINSLOW, Don, O. et al.; E.I. du Pont de Nemours and Company, Legal/Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, 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: PROCESS FOR THE SYNTHESIS OF CURCUMIN-RELATED COMPOUNDS (57) Abstract The invention is directed to a process for the synthesis of curcumin and curcumin-related compounds by reacting the enol form of a 2,4-diketone with a monocarbocyclic aldehyde in the presence of an organic amine catalyst. The reactants are dissolved in a highly polar, aprotic organic solvent. The curcumin-related product is recovered in crystalline form by precipitation from the reaction mass and solvent recrystallization.		