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| <b>(51) International Patent Classification <sup>6</sup>:</b><br><b>C07D 277/14, A61K 31/425</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 97/09320</b><br><b>(43) International Publication Date:</b> 13 March 1997 (13.03.97)                                                                                                                                                                                                                                                                                                                                          |
| <b>(21) International Application Number:</b> PCT/US96/14132<br><b>(22) International Filing Date:</b> 3 September 1996 (03.09.96)<br><b>(30) Priority Data:</b><br>60/003,356 7 September 1995 (07.09.95) US<br><b>(71) Applicant (for all designated States except US):</b> ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).<br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> HANSEN, Marvin, M. [US/US]; 6409 Forrest Commons Boulevard, Indianapolis, IN 46227 (US). HARKNESS, Allen, R. [US/US]; 6151 Shelly Way, Indianapolis, IN 46237 (US). REUTZEL, Susan, M. [US/US]; 4824 Eagles Watch Lane, Indianapolis, IN 46254 (US).<br><b>(74) Agents:</b> JONES, Joseph, A. et al.; Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285 (US). |           | <b>(81) Designated States:</b> AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |
| <b>(54) Title:</b> ALTERNATE CRYSTAL FORM OF TAZOFELONE<br><br><b>(57) Abstract</b><br><br>The instant invention provides novel crystalline Form II of (+/-)-5-{[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl}-4-thiazolidinone having an x-ray powder diffraction pattern with d spacings at 5.64Å, 5.16Å, 4.90Å, 4.66Å and 4.49Å is useful for treating inflammation, inflammatory bowel disease, allergies, arthritis and hypoglycemia utilizing the novel physical form as well as pharmaceutical compositions containing the same. A process for preparing Form II Tazofelone is described.                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |