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(21) International Application Number: PCT/IB00/00066 (22) International Filing Date: 25 January 2000 (25.01.00) (30) Priority Data: 9902402.8 3 February 1999 (03.02.99) GB (71) Applicant (for all designated States except US): ROLIC AG [CH/CH]; Innere Güterstrasse 2, CH-6301 Zug (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): SEIBERLE, Hubert [DE/DE]; Bodenstrasse 1, D-79576 Weil am Rhein (DE). SCHADT, Martin [CH/CH]; Liestalerstrasse 77, CH-4411 Seltisberg (CH). (74) Agent: NEVILLE, Peter, Warwick; BTG International Limited, 10 Fleet Place, Limeburner Lane, London EC4M 7SB (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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 OF MAKING AN ELEMENT OF LIQUID CRYSTAL POLYMER (57) Abstract An orientation layer, optical retarder or similar liquid-crystal-polymer element having fixed alignment properties can be made using an irradiation method not requiring linearly polarised light. A material is exposed to unpolarised or circularly polarised oblique irradiation. Monomeric or pre-polymeric liquid crystal molecules applied to, or mixed with, the exposed material adopt a preferred alignment and, while so aligned, are cross-linked, to result in the said fixed alignment properties.		