



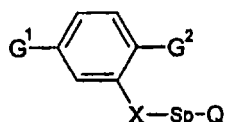
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(21) International Application Number: PCT/IB00/00098 (22) International Filing Date: 1 February 2000 (01.02.00) (30) Priority Data: 9903670.9 17 February 1999 (17.02.99) GB (71) Applicant (for all designated States except US): ROLIC AG [CH/CH]; Innere Güterstrasse 2, CH-6301 Zug (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): BUCHECKER, Richard [CH/CH]; 12A Felsenstrasse, CH-8008 Zurich (CH). LUKAC, Teodor [CH/CH]; Oberwilerstrasse 66, CH-4054 Basel (CH). BENECKE, Carsten [DE/DE]; Vierthauen 9, D-79576 Weil Am Rhein (DE). (74) Agent: ENGLAND, Christopher, David; 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 With international search report.	



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(54) Title: LIQUID CRYSTAL COMPOUNDS



(57) Abstract

A compound of formula (I), wherein G^1 and G^2 independently represent a polymerisable mesogenic residue X represents a group selected from the group consisting $-CH_2-$, $-O-$, $-CO-$, $-COO-$, $-OOC-$, $-CONR'-$, $-OCOO-$ and $-OCONR'-$; Sp represents a group of the formula $-(CH_2)_p-$ in which p is an integer of 1 to 18 and in which one or two non adjacent $-CH_2-$ groups are optionally replaced by $-CH=CH-$; or in which one or two $-CH_2-$ groups may be replaced by one or two groups selected from the group consisting $-CH_2-$, $-O-$, $-CO-$, $-COO-$, $-OOC-$, $-CONR'-$, $-OCOO-$ and $-OCONR'-$ with the proviso that firstly the spacer group does not contain two adjacent heteroatoms and secondly when X is $-CH_2-$, p can also have a value of 0; Q represents a polar group selected from $-CN$, $-COR$, $-COOR$, $-OCOR$, $-CONR'R$, $-NR'COR$, $-OCOOR$, $-OCONR'R$, $-NR'COOR$, F, Cl, $-CF_3$, $-OCF_3$ or $-OR$ or a cyclic group which is unsubstituted or optionally substituted by a group selected from a lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy, halogen, $-CN$, $-COR''$, $-COOR''$, $-OCOR''$, $-CONR'R''$, $-NR'COR''$, $-OCOOR''$, $-OCONR'R''$, $-NR'COOR''$, $-CF_3$, and $-OCF_3$; where R represents hydrogen, a lower alkyl, a lower alkenyl or a cyclic group as defined above; and R' is hydrogen, a lower alkyl or a lower alkenyl group; R'' represents a lower alkyl or a lower alkenyl group and liquid crystal mixtures containing the compounds.



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