



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G02F 1/1335	A1	(11) International Publication Number: WO 95/33224 (43) International Publication Date: 7 December 1995 (07.12.95)
(21) International Application Number: PCT/IB95/00393 (22) International Filing Date: 22 May 1995 (22.05.95) (30) Priority Data: 94201538.9 31 May 1994 (31.05.94) EP (34) Countries for which the regional or international application was filed: NL et al. (71) Applicant: PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (71) Applicant (for SE only): PHILIPS NORDEN AB [SE/SE]; Kottbygatan 5, Kista, S-164 85 Stockholm (SE). (72) Inventors: NEIJZEN, Jacobus, Hermanus, Maria; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). BERGMAN, Anthonie, Hendrik; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (74) Agent: FAESSEN, Louis, Marie, Hubertus; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).	(81) Designated States: CN, JP, KR, (SG) European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. 86 9612262-7 IPDS' copy	

(54) Title: DISPLAY DEVICE HAVING A DIFFUSING DISPLAY PANEL

(57) Abstract

Display device (1) comprising an illumination system (3) having a radiation source (17; 31, 35) for supplying a radiation beam. The display device (1) also comprises a diffusing display panel (5). This panel (5) consists of an optically active diffusing medium (7) which is switchable between a transparent, polarization-maintaining state and a diffusing, depolarizing state for the radiation beam. The medium (7) is present between a first polarizer (9) having a first state of polarization and a second polarizer (11) having a second, complementary state of polarization. At least the first polarizer (9) is a reflecting polarizer and polarization-converting means (10) are arranged at a side of the first polarizer (9) facing away from the display panel (5).

