

Title (en)

DISPLAY DEVICE AND FLAT TELEVISION SCREEN USING THIS DEVICE

Title (de)

ANZEIGEVORRICHTUNG UND FLACHER FERNSEHBILDSCHIRM, DER DIESE VORRICHTUNG BENUTZT

Title (fr)

DISPOSITIF DE VISUALISATION ET ECRAN PLAT DE TELEVISION UTILISANT CE DISPOSITIF

Publication

EP 0880724 A1 19981202 (FR)

Application

EP 97913252 A 19971105

Priority

- FR 9701980 W 19971105
- FR 9613454 A 19961105

Abstract (en)

[origin: FR2755530A1] The invention concerns a display device comprising a lighting source emitting a radiation I_s and a spatial modulator lighted by the radiation I_s , said modulator consisting of a matrix of $N \times M$ elemental pixels $(X_{i,j})$ of $dN \times dM$ dimensions, the pixels $X_{i,j}$ and $X_{i+1,j}$ being separated by a step pN . The device further comprises, means for collimating the radiation I_s in each pixel and the step pN is greater by at least one order of magnitude than the dimension dM . The invention is applicable to flat television screen.

IPC 1-7

G02F 1/1335; G09F 9/35

IPC 8 full level

G02F 1/1335 (2006.01); **G09F 9/35** (2006.01); **H04N 5/74** (2006.01)

CPC (source: EP US)

G02F 1/133526 (2013.01 - EP US); **H04N 5/7441** (2013.01 - EP US)

Citation (search report)

See references of WO 9820390A1

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

FR 2755530 A1 19980507; **FR 2755530 B1 19990122**; EP 0880724 A1 19981202; JP 2000503423 A 20000321; US 6069728 A 20000530; WO 9820390 A1 19980514

DOCDB simple family (application)

FR 9613454 A 19961105; EP 97913252 A 19971105; FR 9701980 W 19971105; JP 52110498 A 19971105; US 9184598 A 19980702