Title (en)

DISPLAY FOR ALFANUMERIC IMAGES

Publication

EP 0397917 A3 19910320 (DE)

Application

EP 89119238 A 19891017

Priority

DE 3916290 A 19890519

Abstract (en)

[origin: EP0397917A2] The invention relates to a display device for alphanumeric displays by means of a display panel, in which a light source, when switched on, illuminates a bundle of optical fibres, and in which there is inserted into each light path leading via an optical fibre to a display element a switching element which can be triggered via a control line and by means of which the assigned light path can be optionally released or blocked. A multicolour representation of the displays is achieved when each display element of the display panel comprises n light paths, the display elements are arranged in n matrices nested in one another, the optical fibres assigned to a matrix are combined in each case to form bundles and are illuminated by separate light sources, and the control lines of the switching elements can be triggered in a matrix-specific fashion by means of a control unit, in order simultaneously to represent n alphanumeric displays or an n-colour alphanumeric display, in the latter case filters being arranged downstream of the light sources or the optical fibres.

IPC 1-7

G09F 9/30

IPC 8 full level

G09F 9/30 (2006.01); **G09F 9/305** (2006.01); G09F 13/04 (2006.01)

CPC (source: EP US)

G09F 9/305 (2013.01 - EP US); **G09F 13/0472** (2021.05 - EP); G09F 13/0472 (2021.05 - US)

Citation (search report)

- [X] DE 3434355 A1 19860612 - REIMER DETLEF [DE], et al
- [Y] WO 8502478 A1 19850606 - CETEHOR [FR]
- [A] EP 0109328 A1 19840523 - SECURITE SIGNALISATION [FR]
- [AD] DE 2831174 A1 19790118 - KAWAGUCHIKO SEIMITSU KK

Cited by

EP0563467A1; US4841556A; DE4437675A1; DE4437675C2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0397917 A2 19901122; **EP 0397917 A3 19910320**; **EP 0397917 B1 19940622**; AT E107787 T1 19940715; CA 2012712 A1 19901119; CA 2012712 C 19950418; DE 58907964 D1 19940728; US 5160921 A 19921103

DOCDB simple family (application)

EP 89119238 A 19891017; AT 89119238 T 19891017; CA 2012712 A 19900321; DE 58907964 T 19891017; US 45222589 A 19891218