Title (en)

TILED LED DISPLAY

Title (de)

GEKACHELTE LED-ANZEIGE

Title (fr)

PANNEAU D'AFFICHAGE À DEL EN MOSAÏQUE

Publication

EP 3698347 A1 20200826 (EN)

Application

EP 18808054 A 20181017

Priority

- GB 201717094 A 20171018
- GB 2018052985 W 20181017

Abstract (en)

[origin: GB2567649A] A waterproof LED display panel which is particularly suitable to be mounted on a vehicle comprises a back plate 2, a transparent front cover 3, and a U-shaped edge gasket 4 interposed between the back plate 2 and the front cover 3. An L-section frame 5 holds the edge gasket between the back plate and the front cover secured by fixings which pass through the gasket. An array of LED display tiles 6 are supported on the back plate 2 preferably by tile guides in such a way that the tiles can move away from the tile guides whilst remaining held in a fixed relationship to the adjacent tiles in a direction parallel to the back plate, e.g. by means of magnets (25, Fig. 5) provided on the rear of each LED tile. Each tile 6 incorporates a DC-DC voltage converter and on-board diagnostic circuitry which monitors the LED tile's input voltage, DC-DC converter output voltages, LED current, and tile operating temperature. An interlock controller uses the diagnostic information from the tiles to reboot or close down the display panel in the event of a problem.

IPC 8 full level

G09F 21/04 (2006.01)

CPC (source: EP GB US)

G09F 9/3026 (2013.01 - GB); **G09F 9/33** (2013.01 - GB); **G09F 21/048** (2013.01 - EP GB US); G09G 2300/026 (2013.01 - GB); G09G 2330/12 (2013.01 - GB)

Citation (search report)

See references of WO 2019077342A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

GB 201717094 D0 20171129; **GB 2567649 A 20190424**; EP 3698347 A1 20200826; WO 2019077342 A1 20190425; WO 2019077342 A4 20190711

DOCDB simple family (application)

GB 201717094 A 20171018; EP 18808054 A 20181017; GB 2018052985 W 20181017