

Title (en)

HIDDEN UNTIL LIT DISPLAY PANEL AND A DISPLAY ASSEMBLY COMPRISING THEREOF

Title (de)

BIS ZUR BELEUCHTUNG VERBORGENE ANZEIGETAFEL UND ANZEIGEANORDNUNG DAMIT

Title (fr)

PANNEAU D'AFFICHAGE CACHÉ JUSQU'À CE QU'IL SOIT ALLUMÉ ET ENSEMBLE D'AFFICHAGE LE COMPRENANT

Publication

**EP 4100939 B1 20240410 (EN)**

Application

**EP 20711350 A 20200204**

Priority

PL 2020050015 W 20200204

Abstract (en)

[origin: WO2021158133A1] The invention relates to a display panel (3), in particular for use in an automotive vehicle, having a front side to present displayed symbol (5) to a user and a back side apt to be illuminated by a light source (4), in order to achieve uniform brightness of displayed symbols (5) with substantially constant directivity and homogeneity, as well as to reduce cross talk between separate symbols (5) the display panel (3) has a layered arrangement comprising a translucent solid base layer (31); an opaque stencil layer (32) adjoining the front side of said translucent base layer (31) and including voids (321) representing symbols (5) displayable at the front side of the panel (3) when illuminated from the back side of the panel (3); an opaque crosstalk reduction layer (33) adjoining the back side of said translucent base layer (31) and including voids (331) corresponding to said voids (321) of said stencil layer (32) or to the symbols (5) defined by said voids (321) of said stencil layer; and a semi-opaque layer (34) adjoining the front side of said stencil layer (32). The invention relates also to a display assembly (1) comprising a housing (2) having a number of chambers (21) opening at the front face (22) of the housing, at least one light source (4) disposed in at least one of said chambers (21), and such a display panel (3) fixed to said front face (21) of said housing (2).

IPC 8 full level

**G09F 13/06** (2006.01); **G09F 13/08** (2006.01); **G09F 19/12** (2006.01); **G09F 21/04** (2006.01)

CPC (source: EP)

**G09F 13/06** (2013.01); **G09F 13/08** (2013.01); **G09F 19/12** (2013.01); **G09F 21/04** (2013.01); **G09F 21/049** (2020.05)

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

DOCDB simple family (publication)

**WO 2021158133 A1 20210812**; EP 4100939 A1 20221214; EP 4100939 B1 20240410

DOCDB simple family (application)

**PL 2020050015 W 20200204**; EP 20711350 A 20200204