

Title (en)

SCREEN FOR A FREE VIEWING MODE AND A RESTRICTED VIEWING MODE

Title (de)

BILDSCHIRM FÜR EINEN FREIEN UND EINEN EINGESCHRÄNKTEN SICHTMODUS

Title (fr)

ÉCRAN POUR UN MODE DE VISIONNEMENT LIBRE ET UN MODE DE VISIONNEMENT RESTREINT

Publication

EP 4330597 A1 20240306 (DE)

Application

EP 22723034 A 20220412

Priority

- DE 102021110645 A 20210426
- EP 2022059770 W 20220412

Abstract (en)

[origin: WO2022228890A1] The invention relates to a screen (1a) which can be operated in at least two operating modes, B1 for a free viewing mode and B2 for a restricted viewing mode, comprising a transmissive image reproduction device (1), which modulates light incident thereon in order to a display image contents and which can be operated in at least one first operating mode B1 for a free viewing mode and in a second operating mode B2 for a restricted viewing mode; a lighting device (2a) which is located behind the transmissive image reproduction device (1) in the viewing direction of an observer and which can be operated in at least two operating modes, B1 for a free viewing mode and B2 for a restricted viewing mode, wherein the lighting device (2a) emits light into a non-restricted viewing angle range in the first operating mode B1 and into a restricted viewing angle range in the second operating mode B2; and an actuation device for the transmissive image reproduction device (1) and the lighting device (2a) for switching between the at least two operating modes B1 and B2.

IPC 8 full level

F21V 8/00 (2006.01); **G02F 1/13** (2006.01)

CPC (source: EP)

G02B 6/0035 (2013.01); **G02F 1/1323** (2013.01); **G02F 1/13471** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021110645 A1 20221027; **DE 102021110645 B4 20221222**; EP 4330597 A1 20240306; JP 2024514976 A 20240403; WO 2022228890 A1 20221103

DOCDB simple family (application)

DE 102021110645 A 20210426; EP 2022059770 W 20220412; EP 22723034 A 20220412; JP 2023565520 A 20220412