

Title (en)
MATRIX LIGHT SOURCE WITH DIMMING

Title (de)
MATRIXLICHTQUELLE MIT DIMMUNG

Title (fr)
SOURCE LUMINEUSE MATRICIELLE À GRADATION DE L'INTENSITÉ LUMINEUSE

Publication
EP 3857117 A1 20210804 (FR)

Application
EP 19773091 A 20190925

Priority
• FR 1859027 A 20180928
• EP 2019075838 W 20190925

Abstract (en)
[origin: WO2020064823A1] The invention proposes a matrix light source having a plurality of elementary light sources with light-emitting semiconductor elements, and a common substrate in contact with an integrated circuit. The integrated circuit allows a brightness setpoint to be stored for each elementary light source of the matrix source, and comprises a circuit for managing the power supply for each source, allowing the brightness setpoint to be implemented without needing other external controls.

IPC 8 full level
F21S 41/153 (2018.01); **H01L 33/00** (2010.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/10 (2020.01 - US); **H05B 45/44** (2020.01 - EP US); **F21S 41/153** (2017.12 - EP); **F21S 43/15** (2017.12 - EP)

Citation (search report)
See references of WO 2020064823A1

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)
WO 2020064823 A1 20200402; CN 112789950 A 20210511; EP 3857117 A1 20210804; FR 3086723 A1 20200403; FR 3086723 B1 20220812; JP 2022501781 A 20220106; US 2021345466 A1 20211104

DOCDB simple family (application)
EP 2019075838 W 20190925; CN 201980063288 A 20190925; EP 19773091 A 20190925; FR 1859027 A 20180928; JP 2021517206 A 20190925; US 201917280559 A 20190925