

Title (en)
DOCUMENT CAPABLE OF GENERATING A COLOUR IMAGE

Title (de)
DOKUMENT MIT FÄHIGKEIT ZUR ERZEUGUNG EINES FARBBILDES

Title (fr)
DOCUMENT APTE A GENERER UNE IMAGE COULEUR

Publication
EP 3765307 A1 20210120 (FR)

Application
EP 19717539 A 20190314

Priority

- FR 1852273 A 20180316
- FR 2019050569 W 20190314

Abstract (en)
[origin: WO2019175514A1] The invention relates to a document (2) capable of generating a colour image (6), comprising: a set of pixels (20) printed on or in a substrate (2), each pixel (20) forming a pattern comprising an arrangement of sub-pixels (22) of at least two different colours; and an array of lenses (LN) disposed facing the set of pixels so as to generate the colour image (6) by focusing or diverging an incident light through the lenses on at least one part of the sub-pixels (22), each lens (LN) being positioned, relative to an associated pixel (20) located opposite, to focus or diverge the incident light on at least one of the sub-pixels (22) of said associated pixel so as to modify the contribution of the respective colours of the sub-pixels (22) of the associated pixel (20), in a region of the colour image (6) generated through said lens, relative to the pattern intrinsically formed by the associated pixel (20) independently of said lens (LN).

IPC 8 full level
B42D 25/324 (2014.01); **B42D 25/435** (2014.01); **B42D 25/44** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP KR US)
B42D 25/324 (2014.10 - EP KR US); **B42D 25/351** (2014.10 - EP KR US); **B42D 25/41** (2014.10 - EP KR US);
B42D 25/435 (2014.10 - EP KR US); **B42D 25/44** (2014.10 - EP KR US); **B42D 25/45** (2014.10 - EP KR US)

Citation (search report)
See references of WO 2019175514A1

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 2019175514 A1 20190919; AU 2019235502 A1 20201015; EP 3765307 A1 20210120; FR 3079052 A1 20190920;
JP 2021518282 A 20210802; KR 20200132967 A 20201125; US 11007811 B2 20210518; US 2021016593 A1 20210121

DOCDB simple family (application)
FR 2019050569 W 20190314; AU 2019235502 A 20190314; EP 19717539 A 20190314; FR 1852273 A 20180316; JP 2020549709 A 20190314;
KR 20207029832 A 20190314; US 201916980445 A 20190314