

Title (en)

DISPLAY DRIVER IC (DDIC) BACKPLANE FOR SCANNING MICROLED ARRAY

Title (de)

RÜCKWANDPLATINE EINER ANZEIGETREIBER-IC (DDIC) ZUM ABTASTEN EINER MIKRO-LED-ANORDNUNG

Title (fr)

FOND DE PANIER IC DE PILOTE D’AFFICHAGE (DDIC) POUR BALAYAGE DE RÉSEAU DE MICRODEL

Publication

EP 4124209 A1 20230201 (EN)

Application

EP 21785691 A 20210316

Priority

- US 202062990401 P 20200316
- US 202017117057 A 20201209
- US 2021022639 W 20210316

Abstract (en)

[origin: WO2021206875A1] A ID scanning micro-display architecture for high-resolution image visualization in compact AR and Head Mounted Displays ("HMDs"). A display driver is configured to drive a plurality of display pixels of a tri-linear microdisplay, wherein the tri-linear microdisplay defines one or more stripes. Each of the stripes are constructed of one or more rows of pixels, and is used in the ID-scanning display system to create high-resolution images in an augmented reality ("AR") or Head Mounted Display.

IPC 8 full level

G02B 27/01 (2006.01); **G02B 26/10** (2006.01); **G02B 27/10** (2006.01)

CPC (source: EP)

G02B 26/0833 (2013.01); **G02B 27/0172** (2013.01); **G09G 3/002** (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)

WO 2021206875 A1 20211014; CN 115552315 A 20221230; EP 4124209 A1 20230201

DOCDB simple family (application)

US 2021022639 W 20210316; CN 202180029589 A 20210316; EP 21785691 A 20210316