

Title (en)

DISPLAY WAVEGUIDE ASSEMBLY WITH COLOR CROSS-COUPLING

Title (de)

ANZEIGEWELLENLEITERANORDNUNG MIT FARBKREUZKOPPLUNG

Title (fr)

ENSEMBLE GUIDE D'ONDES D'AFFICHAGE À COUPLAGE CROISÉ DE COULEURS

Publication

EP 3867674 A1 20210825 (EN)

Application

EP 18804160 A 20181018

Priority

- US 201816161848 A 20181016
- US 201816161879 A 20181016
- US 2018056501 W 20181018

Abstract (en)

[origin: WO2020081085A1] A waveguide display includes a display projector for emitting polychromatic image light, and a waveguide assembly (500) for transmitting image light (401) to an exit pupil (555). The waveguide assembly (500) includes two or more waveguides (521)(522) disposed in a stack (500), each having an in-coupler aligned with the other in-couplers (531,532) and an offset out-coupler aligned with the other out-couplers (541,542). The assembly is configured so that at least one color channel (401R) of the image light propagates to the exit pupil along at least two waveguides (521)(522).

IPC 8 full level

G02B 6/00 (2006.01)

CPC (source: CN EP)

G02B 6/00 (2013.01 - EP); **G02B 6/0016** (2013.01 - CN); **G02B 6/0076** (2013.01 - CN); **G02B 27/0081** (2013.01 - CN); **G02B 27/0103** (2013.01 - CN); **G02B 27/0172** (2013.01 - CN EP); **G02B 27/1086** (2013.01 - CN); **G02B 6/0076** (2013.01 - EP); **G02B 27/0103** (2013.01 - EP); **G02B 2027/0123** (2013.01 - CN); **G02B 2027/0136** (2013.01 - CN)

Citation (search report)

See references of WO 2020081087A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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