

Title (en)
CONFIGURATIONS, METHODS, AND DEVICES FOR IMPROVED VISUAL PERFORMANCE OF A LIGHT-EMITTING ELEMENT DISPLAY AND/OR A CAMERA RECORDING AN IMAGE FROM THE DISPLAY

Title (de)
KONFIGURATIONEN, VERFAHREN UND VORRICHTUNGEN ZUR VERBESSERTEN VISUELLEN LEISTUNG EINER LICHEMITTIERENDEN ELEMENTANZEIGE UND/ODER EINER KAMERA ZUR AUFZEICHNUNG EINES BILDES VON DER ANZEIGE

Title (fr)
CONFIGURATIONS, PROCÉDÉS ET DISPOSITIFS POUR AMÉLIORER LES PERFORMANCES VISUELLES D'UN AFFICHAGE À ÉLÉMENT ÉLECTROLUMINESCENT ET/OU D'UNE CAMÉRA ENREGISTRANT UNE IMAGE À PARTIR DE L'AFFICHAGE

Publication
EP 4390657 A1 20240626 (EN)

Application
EP 23218336 A 20231219

Priority

- US 202263433646 P 20221219
- US 202318322279 A 20230523
- US 202318216459 A 20230629
- US 202318217201 A 20230630
- US 202318217261 A 20230630
- US 202318217268 A 20230630
- US 202318351243 A 20230712
- US 202318233115 A 20230811

Abstract (en)
The invention relates to a light source display, comprising a plurality of light-emitting elements (LEEs), such as for example LEDs, being arranged on a horizontal and vertical grid resulting in an array or a matrix of LEEs or LEDs forming a LEE or LED board. More particularly, the invention relates to a display with a drive circuit configuration comprising at least two drive circuits, wherein at least one of the LEEs or LEDs driven by a first driver of a first drive circuit is residing physically with a second drive circuit. Herewith, improved visual performance of the display can be achieved, as well as improved interplay of the display with a camera recording an image from the display, or else the display can be enhanced for 3D application.

IPC 8 full level
G06F 3/14 (2006.01); **G09G 3/00** (2006.01); **G09G 3/32** (2016.01); **G09G 5/00** (2006.01)

CPC (source: EP)
G09G 3/32 (2013.01); **G09G 5/12** (2013.01); **G09G 2300/0809** (2013.01); **G09G 2310/0202** (2013.01); **G09G 2310/0205** (2013.01); **G09G 2310/0251** (2013.01); **G09G 2310/061** (2013.01); **G09G 2310/08** (2013.01)

Citation (applicant)

- US 194662634336 P
- US 202318322279 A 20230523
- US 202016895872 A 20200608
- US 202217865096 A 20220714
- US 202262632218 P
- US 202217865096 A 20220714
- US 202016813113 A 20200309
- US 11610543 B2 20230321 - THIELEMANS ROBBIE [BE], et al
- US 202016895872 A 20200608
- US 17981898 A 19981028
- US 63317178 P

Citation (search report)

- [XY] US 2022375403 A1 20221124 - CHENG JHIH-SIOU [TW], et al
- [IY] US 2020126501 A1 20200423 - YAMAZAKI SHUNPEI [JP], et al
- [Y] US 2020014904 A1 20200109 - WETZSTEIN GORDON [US], et al
- [Y] US 2021201769 A1 20210701 - MORRIS DANIEL HENRY [US], et al
- [Y] US 2021124174 A1 20210429 - TOKUNAGA MAKOTO DANIEL [JP], et al
- [A] US 2022059045 A1 20220224 - KOBAYASHI HIDETOMO [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4390915 A1 20240626; EP 4390656 A1 20240626; EP 4390657 A1 20240626; EP 4390658 A1 20240626; EP 4390659 A1 20240626; EP 4390916 A2 20240626

DOCDB simple family (application)
EP 23218377 A 20231219; EP 23218322 A 20231219; EP 23218336 A 20231219; EP 23218348 A 20231219; EP 23218353 A 20231219; EP 23218356 A 20231219