Title (en)

CHIPLET DISPLAY WITH MULTIPLE PASSIVE-MATRIX CONTROLLERS

Title (de)

CHIPLET-ANZEIGE MIT MEHREREN PASSIVMATRIXSTEUERUNGEN

Title (fr)

AFFICHAGE À PUCES À COMMANDES À MATRICE PASSIVE MULTIPLES

Publication

EP 2628200 A4 20140423 (EN)

Application

EP 10858510 A 20101015

Priority

US 2010052830 W 20101015

Abstract (en)

[origin: WO2012050586A1] A display device includes a substrate having a display area; row electrodes formed over the substrate in the display area extending in a row direction and column electrodes formed over the substrate in the display area extending in a column direction different from the row direction, the row and column electrodes overlapping to form pixels; wherein the pixels are divided into two or more separate pixel groups, each pixel group having group row electrodes and separate group column electrodes; two or more spaced column driver chiplets located in the display area, each column driver chiplet uniquely connected to a different pixel group wherein in at least one of the column driver chiplets is located between pixel groups, and the two or more spaced column driver chiplets adapted to drive the group column electrodes of the one pixel group; and one or more row driver(s) connected to the row electrodes.

IPC 8 full level

H01L 51/52 (2006.01); **G09G 3/00** (2006.01); **G09G 3/20** (2006.01); **G09G 3/30** (2006.01); **G09G 3/32** (2006.01); **G09G 3/34** (2006.01)

CPC (source: EP KR)

G09G 3/2085 (2013.01 - EP KR); **G09G 3/2088** (2013.01 - EP KR); **G09G 3/3208** (2013.01 - EP KR); **G09G 3/3216** (2013.01 - EP); **G09G 3/3233** (2013.01 - KR); **H10K 59/17** (2023.02 - EP KR); **H10K 59/805** (2023.02 - EP KR); G09G 2310/0221 (2013.01 - EP KR); G09G 2310/0262 (2013.01 - EP KR)

Citation (search report)

[XA] WO 2010056289 A1 20100520 - GLOBAL OLED TECHNOLOGY LLC [US], et al

Cited by

US11423844B2; US11798491B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2010052830 W 20101015; CN 201080069595 A 20101015; EP 10858510 A 20101015; EP 16177767 A 20101015; JP 2013533828 A 20101015; KR 20137011834 A 20101015