

Title (en)
DISPLAY DEVICE

Title (de)
ANZEIGEVORRICHTUNG

Title (fr)
DISPOSITIF D'AFFICHAGE

Publication
EP 3985657 A4 20220810 (EN)

Application
EP 19934878 A 20190722

Priority
• CN 201910557272 A 20190625
• CN 2019095757 W 20190712
• CN 2019097161 W 20190722

Abstract (en)
[origin: EP3985657A1] A display device is provided and includes: a display panel, disposed with a gate driving circuit and a source driving circuit; a X-board, disposed with a driving circuit board assembly including a display control circuit and a first connector, the display control circuit is connected with the gate driving circuit, the source driving circuit and the first connector; a system board, disposed with a second connector and a system-on-chip (SOC) connected to the second connector, the SOC includes an optical performance adjustment intellectual property core; and a connecting part, connected between the first connector and the second connector. By disposing the driving circuit board assembly on the X-board to make the X-board have some of TCON functions, completely independent of the SOC when debugging and changing Panel Timing, and can be developed independently, panel manufacturers can complete the panel debugging and changing independently without relying on changing the SOC.

IPC 8 full level
G09G 3/36 (2006.01); **G09G 3/20** (2006.01)

CPC (source: CN EP)
G09G 3/2092 (2013.01 - EP); **G09G 3/36** (2013.01 - CN); **G09G 2300/04** (2013.01 - EP); **G09G 2300/0408** (2013.01 - EP); **G09G 2320/0276** (2013.01 - EP); **G09G 2330/028** (2013.01 - EP); **G09G 2370/08** (2013.01 - EP); **G09G 2370/14** (2013.01 - EP)

Citation (search report)
• [XYI] WO 2015100786 A1 20150709 - SHENZHEN CHINA STAR OPTOELECT [CN]
• [Y] CN 107241562 A 20171010 - SICHUAN CHANGHONG ELECTRIC CO LTD
• [Y] US 2009284455 A1 20091119 - JUNG HERBERT [KR]
• [Y] CN 107396022 A 20171124 - SHENZHEN CHINA STAR OPTOELECT
• See references of WO 2020258428A1

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)
EP 3985657 A1 20220420; **EP 3985657 A4 20220810**; CN 112133256 A 20201225; WO 2020258428 A1 20201230

DOCDB simple family (application)
EP 19934878 A 20190722; CN 2019097161 W 20190722; CN 201910662882 A 20190722