

Title (en)
ELECTRO-OPTIC DISPLAYS WITH OHMICALLY CONDUCTIVE STORAGE CAPACITORS FOR DISCHARGING REMNANT VOLTAGES

Title (de)
ELEKTROOPTISCHE ANZEIGEN MIT OHMISCH LEITFÄHIGEN SPEICHERKONDENSATOREN ZUM ENTLADEN VON RESTSPANNUNGEN

Title (fr)
UNITÉS D’AFFICHAGE ÉLECTRO-OPTIQUES COMPRENANT DES CONDENSATEURS DE STOCKAGE CONDUCTEURS PAR VOIE OHMIQUE POUR DÉCHARGER DES TENSIONS RÉSIDUELLES

Publication
EP 4377947 A1 20240605 (EN)

Application
EP 22850164 A 20220726

Priority
• US 202117388417 A 20210729
• US 2022038280 W 20220726

Abstract (en)
[origin: WO2023009480A1] An electrophoretic display having a plurality of display pixels, each of the plurality of display pixels may include a pixel electrode for driving the display pixel, a single thin film transistor (TFT) coupled to the pixel electrode for transmitting waveforms to the pixel electrode, a front plane laminate (FPL) coupled to the single thin film transistor, and a storage capacitor coupled to the pixel electrode and placed in parallel with the FPL, where the storage capacitor is configured to be sufficiently ohmically conductive to allow the discharge of remnant voltages from the FPL through the storage capacitor.

IPC 8 full level
G09G 3/34 (2006.01); **G02F 1/16766** (2019.01)

CPC (source: EP KR)
G02F 1/16766 (2019.01 - EP KR); **G09G 3/344** (2013.01 - EP KR); **G09G 2300/043** (2013.01 - EP KR); **G09G 2300/0819** (2013.01 - EP KR); **G09G 2310/068** (2013.01 - EP KR); **G09G 2320/0204** (2013.01 - EP KR); **G09G 2330/027** (2013.01 - EP KR)

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 2023009480 A1 20230202; CN 117716418 A 20240315; EP 4377947 A1 20240605; KR 20240022641 A 20240220; TW 202311834 A 20230316; TW I815577 B 20230911

DOCDB simple family (application)
US 2022038280 W 20220726; CN 202280052308 A 20220726; EP 22850164 A 20220726; KR 20247001983 A 20220726; TW 111128136 A 20220727