

Title (en)
Automatic adaptation of the precharge voltage for an electroluminescent screen

Title (de)
Automatische Anpassung der Vorladungsspannung in einer Elektrolumineszenzanzeige

Title (fr)
Adaptation automatique de la tension de précharge d'un écran électroluminescent

Publication
EP 1667100 A1 20060607 (FR)

Application
EP 05111700 A 20051205

Priority
FR 0452867 A 20041206

Abstract (en)
The circuit has a precharge voltage adjusting device with a measurement circuit (m i) to measure a maximum operating voltage among operating voltages of selected columns of light emitting diodes, on each selection of a line from a set of lines. A capacitor (CHOLD) stores the measured voltage, on each selection of the line. An amplifier (48) adjusts a precharge voltage based on the stored voltage, after the selection of the lines. An independent claim is also included for a method of adjusting a precharge voltage of a control circuit of a matrix display.

IPC 8 full level
G09G 3/32 (2006.01)

CPC (source: EP US)
G09G 3/3216 (2013.01 - EP US); **G09G 3/3283** (2013.01 - EP US); **G09G 2310/0251** (2013.01 - EP US); **G09G 2320/0233** (2013.01 - EP US); **G09G 2320/043** (2013.01 - EP US); **G09G 2330/021** (2013.01 - EP US)

Citation (search report)
• [A] US 2004017725 A1 20040129 - MAS CELINE [FR], et al
• [A] US 2003184237 A1 20031002 - TOGASHI MASATO [JP], et al
• [A] US 2002097002 A1 20020725 - LAI WAI-YAN STEPHEN [HK], et al

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FR2915018A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1667100 A1 20060607; FR 2879007 A1 20060609; JP 2006163404 A 20060622; JP 5027408 B2 20120919; US 2006118700 A1 20060608; US 8044892 B2 20111025

DOCDB simple family (application)
EP 05111700 A 20051205; FR 0452867 A 20041206; JP 2005350617 A 20051205; US 29499105 A 20051206