

Title (en)

Apparatus and method for energy recovery in a plasma display panel

Title (de)

Einrichtung und Verfahren zur Energierückgewinnung für eine Plasmaanzeigetafel

Title (fr)

Dispositif et procédé de récupération d'énergie pour un panneau d'affichage à plasma

Publication

**EP 1640948 A1 20060329 (EN)**

Application

**EP 04022892 A 20040925**

Priority

EP 04022892 A 20040925

Abstract (en)

The present invention relates to a plasma display panel, and more particularly, to an energy recovery apparatus of a plasma display panel and method thereof. The energy recovery apparatus includes a capacitive load equivalently formed between a scan electrode and a sustain electrode, an energy recovery unit for recovering energy charged in the capacitive load and again supplying the recovered energy to the capacitive load, an energy supply unit disposed between the energy recovery unit and the capacitive load, wherein the energy supply unit relays energy between the energy recovery unit and the capacitive load and supplying a reference voltage to the capacitive load so that stabilized discharging can be generated in the capacitive load, and an energy relay unit disposed between the energy recovery unit and the energy supply unit, for relaying energy between the energy recovery unit and the energy supply unit. According to the present invention, energy is relayed between a source capacitor and a panel capacitor through a transformer.

IPC 8 full level

**G09G 3/288** (2006.01); **G09G 3/296** (2013.01)

CPC (source: EP)

**G09G 3/2965** (2013.01)

Citation (search report)

- [X] WO 03075252 A2 20030912 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] FR 2836587 A1 20030829 - THOMSON LICENSING SA [FR]

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

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