

Title (en)

Plasma display apparatus and process of making the same.

Title (de)

Plasma-Anzeigegerät und Verfahren zur Herstellung desselben.

Title (fr)

Appareil d'affichage à plasma et son procédé de fabrication.

Publication

EP 0586943 A1 19940316 (EN)

Application

EP 93113249 A 19930819

Priority

JP 22241392 A 19920821

Abstract (en)

A plasma display apparatus comprises a first dielectric substrate; a plurality of first electrodes extending in one direction on the first substrate; a second dielectric substrate; a plurality of second electrodes extending in another direction perpendicular to said one direction on the second substrate; a ridge defining a plurality of pixel areas and being adapted to provide a partition wall and fluorescent materials provided in said pixel areas; The ridge is fabricated by a diffusion patterning process by which a patterned layer of dielectric and an underlying unpatterned layer of dielectric are applied onto at least one of the substrates and the patterned layer formed with an image of said ridge is diffused into said unpatterned layer.

IPC 1-7

H01J 17/16; **H01J 17/49**

IPC 8 full level

H01J 9/24 (2006.01); **H01J 11/12** (2012.01); **H01J 11/24** (2012.01); **H01J 11/36** (2012.01); **H01J 11/38** (2012.01); **H01J 11/42** (2012.01); **H01J 11/50** (2012.01); **H01J 17/16** (2012.01); **H01J 17/49** (2012.01)

CPC (source: EP KR)

H01J 9/242 (2013.01 - EP KR); **H01J 11/14** (2013.01 - EP KR); **H01J 11/36** (2013.01 - EP KR)

Citation (search report)

- [Y] WO 9106118 A1 19910502 - DU PONT [US]
- [Y] EP 0382260 A2 19900816 - DAINIPPON PRINTING CO LTD [JP]
- [A] US 5037723 A 19910806 - HWANG WOO-HYUN [KR]

Cited by

EP0730289A3; US6967352B2; EP0613166A1; US5385631A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0586943 A1 19940316; **EP 0586943 B1 19981104**; CN 1088023 A 19940615; DE 69321912 D1 19981210; DE 69321912 T2 19990325; JP H06267439 A 19940922; KR 0123793 B1 19971201; KR 940005195 A 19940316; TW 239208 B 19950121

DOCDB simple family (application)

EP 93113249 A 19930819; CN 93116299 A 19930821; DE 69321912 T 19930819; JP 22241392 A 19920821; KR 930016285 A 19930821; TW 82106967 A 19930827