Title (en)

PLASMA DISPLAY PANEL

Title (de)

PLASMAANZEIGEVORRICHTUNG

Title (fr)

ECRAN A PLASMA

Publication

EP 1258024 B1 20100721 (EN)

Application

EP 00971869 A 20001027

Priority

- KR 0001225 W 20001027
- KR 19990047639 A 19991029

Abstract (en)

[origin: WO0131675A1] A PDP improves discharge efficiency by reducing a discharge voltage and increasing a volume of a plasma. The PDP includes an opaque metal fence-type electrode electrically connected to first and second electrodes in each pixel of an upper substrate, and extended toward the second substrate. As a result, the discharge voltage is reduced by minimizing a loss of the plasma generated during the discharge in an individual unit pixel. As the electrode area is widened, a plasma formation space is increased and plasma energy loss is decreased, thereby performing stabilized space discharge. Moreover, interaction between adjacent pixels is prevented by individualizing the unit pixels by sidewalls. A size of the pixels is decreased to obtain a high quality screen.

IPC 8 full level

H01J 11/12 (2012.01); **H01J 11/22** (2012.01); **H01J 11/24** (2012.01); **H01J 11/26** (2012.01); **H01J 11/34** (2012.01)

CPC (source: EP KR)

H01J 11/12 (2013.01 - EP); **H01J 11/22** (2013.01 - KR); **H01J 11/24** (2013.01 - EP KR); **H01J 11/36** (2013.01 - KR); H01J 2211/245 (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 0131675 A1 20010503; CN 1156872 C 20040707; CN 1384971 A 20021211; DE 60044729 D1 20100902; EP 1258024 A1 20021120; EP 1258024 A4 20051109; EP 1258024 B1 20100721; JP 2003513416 A 20030408; JP 3663416 B2 20050622; KR 100651822 B1 20061130; KR 20010039312 A 20010515

DOCDB simple family (application)

KR 0001225 W 20001027; CN 00815057 A 20001027; DE 60044729 T 20001027; EP 00971869 A 20001027; JP 2001534177 A 20001027; KR 19990047639 A 19991029