

Title (en)  
BI-SUBSTRATE PLASMA PANEL

Title (de)  
PLASMA ANZEIGETAFEL MIT ZWEI SUBSTRATE

Title (fr)  
PANNEAU A PLASMA BI-SUBSTRAT

Publication  
**EP 0968512 B1 20030416 (FR)**

Application  
**EP 99900920 A 19990114**

Priority  
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• FR 9800558 A 19980120

Abstract (en)  
[origin: FR2773907A1] Distance between two adjoining face plate recesses belonging to the same pixel is greater than the gap between two adjacent X electrodes, allowing for the thickness of the gas-filled space between the two face plates to be greater than that required when the two recesses are substantially separated from the gap. A bisubstrate-type alternating plasma color display panel (PDP) comprises two face plates (2, 3) arranged opposite each other to form a space (13) intended to be filled with a gas. One of the face plates (3) has parallel X electrodes (X1-X5) separated by a gap (px), covered by at least one luminophore zone (B1-B3), and the other face plate (2) has at least one Y electrode (Y1a-Y2b). The luminophore zones are interlinked by at least one recess (Ep1-Ep8) where an X electrode and a Y electrode intersect, in order to localize discharges generated in the gas between the two electrodes. A color pixel (P) is formed by adjoining recesses located in the plane of the Y electrode in adjacent luminophore zones. For improved light output, the distance (L) between two adjoining recesses (Ep1, Ep2) belonging to the same pixel is greater than the gap (px) between two adjacent X electrodes, allowing for the thickness (H0) of the gas-filled space to be greater than that required when the two recesses are substantially separated from the gap.

IPC 1-7  
**H01J 17/49**

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