

Title (en)
FLAT DISPLAY

Title (de)
FLACHBILDSCHIRM

Title (fr)
ECRAN PLAT

Publication
EP 1990822 A4 20100303 (EN)

Application
EP 07714937 A 20070226

Priority
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Abstract (en)
[origin: EP1990822A1] Disclosed here is a flat display having a pair of glass substrates and a sealing member applied on the periphery of the glass substrates. The glass substrates are oppositely disposed to each other at intervals therebetween. The glass substrates contain silicon as a component, while the sealing member contains bismuth. A protection layer and an insulating layer as an intermediate layer, which has a silicon-content lower than the glass substrates, are formed on the interface between the glass substrates and the sealing member. The structure above reinforces bonding strength of the sealing section, providing a highly reliable flat display.

IPC 8 full level
H01J 11/02 (2006.01); **H01J 11/12** (2012.01); **H01J 11/24** (2012.01); **H01J 11/26** (2012.01); **H01J 11/46** (2012.01); **H01J 11/48** (2012.01); **H01J 17/18** (2006.01); **H01J 29/86** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP KR)
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Citation (search report)
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• [I] US 6803723 B1 20041012 - YAMASHITA KATUYOSHI [JP], et al
• [A] JP 2004284934 A 20041014 - CENTRAL GLASS CO LTD
• [A] US 2005209084 A1 20050922 - TAKAYA TATSUYA [JP], et al
• See references of WO 2007099902A1

Designated contracting state (EPC)
DE FR GB NL

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