

Title (en)

Colour display panel with blue luminous layer

Title (de)

Farbbildschirm mit blauer Leuchtstoffschicht

Title (fr)

Panneau d'affichage à couleurs avec couche luminescente bleue

Publication

EP 1187167 B1 20061004 (DE)

Application

EP 01000410 A 20010830

Priority

DE 10043530 A 20000905

Abstract (en)

[origin: EP1187167A1] Color screen consists of a blue luminescent layer containing a first luminescent material having a light emission in the range of 430-490 nm and a second luminescent material having a light emission in the range of 380-450 nm. Preferred Features: The first luminescent material is made of ZnS: Ag, BaMgAl10O17: Eu or (Ba, Sr, Ca)5(PO4)3Cl: Eu. The second luminescent material is made of LaOBr: Tb, Y2O2S: Tb, Y3Al5O12: Tb, Ca3(PO4)2: Eu, SR2P2O7: Eu, (Sr, Mg)2P2O7: Eu, CaSO4: Eu, CaO: Bi or (Y, Gd)BaO3: Ce.

IPC 8 full level

C09K 11/08 (2006.01); **H01J 29/18** (2006.01); **C09K 11/55** (2006.01); **C09K 11/56** (2006.01); **C09K 11/64** (2006.01); **C09K 11/71** (2006.01); **C09K 11/72** (2006.01); **C09K 11/78** (2006.01); **C09K 11/80** (2006.01); **C09K 11/84** (2006.01); **C09K 11/86** (2006.01); **H01J 11/02** (2006.01); **H01J 17/04** (2006.01); **H01J 29/26** (2006.01); **H01J 29/32** (2006.01)

CPC (source: EP KR US)

H01J 11/42 (2013.01 - KR); **H01J 29/187** (2013.01 - EP US); **H01J 29/26** (2013.01 - EP US)

Cited by

CN100347266C; EP1215698A3; CN108517210A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1187167 A1 20020313; **EP 1187167 B1 20061004**; CN 1305099 C 20070314; CN 1342991 A 20020403; DE 10043530 A1 20020314; DE 50111136 D1 20061116; JP 2002175763 A 20020621; KR 100765307 B1 20071010; KR 20020019392 A 20020312; TW I264035 B 20061011; US 2002047510 A1 20020425; US 6762548 B2 20040713

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