

Title (en)  
LIGHT-EMITTING DEVICE

Title (de)  
LICHTEMITTIERENDE EINRICHTUNG

Title (fr)  
DISPOSITIF ELECTROLUMINESCENT

Publication  
**EP 1691585 A1 20060816 (EN)**

Application  
**EP 04792763 A 20041021**

Priority  

- JP 2004015614 W 20041021
- JP 2003366508 A 20031027
- JP 2003383907 A 20031113
- JP 2004027204 A 20040203
- JP 2004031733 A 20040209
- JP 2004181442 A 20040618
- JP 2004303178 A 20041018

Abstract (en)  
A light-emitting element (1) includes a light-emitting layer (2) including a phosphor, and at least two electrodes (6, 7). The light-emitting element (1) includes at least two kinds of electrically insulating layers (2, 9) with different dielectric constants. One of the electrically insulating layers (2, 9) is the light-emitting layer (2), and one of the two electrodes (6, 7) is formed in contact with one of the insulating layers. Therefore, it is possible to provide a light-emitting element that can emit light by using surface discharge, is manufactured at low cost, exhibits favorable luminous efficiency, and is to be driven with low power consumption when being applied to a large-screen display.

IPC 8 full level  
**H05B 33/14** (2006.01); **B82Y 20/00** (2011.01); **B82Y 99/00** (2011.01); **H01J 11/22** (2012.01); **H01J 11/34** (2012.01); **H01J 11/42** (2012.01); **H01J 29/20** (2006.01); **H01J 31/12** (2006.01); **H01J 61/12** (2006.01); **H01J 61/38** (2006.01); **H01J 61/76** (2006.01); **H01J 63/02** (2006.01); **H01J 63/06** (2006.01); **H01J 65/04** (2006.01); **H05B 33/12** (2006.01); **H05B 33/22** (2006.01)

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Citation (search report)  
See references of WO 2005051045A1

Cited by  
EP1936661A1; US8570506B2; US7969091B2; US8049400B2; US2011316412A1; US8692450B2; US7923915B2; US8026657B2; TWI643524B

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