

Title (en)

Vacuum ultraviolet ray-excited light-emitting phosphor

Title (de)

Mit Vakuum-UV-Licht anregbarer Licht emittierender Leuchtstoff

Title (fr)

Materiau fluorescent excitable par les ultraviolets à vide et émettant de la lumière

Publication

EP 1142976 B8 20071010 (EN)

Application

EP 01108526 A 20010404

Priority

JP 2000104438 A 20000406

Abstract (en)

[origin: EP1142976A2] A vacuum ultraviolet ray-excited light-emitting phosphor comprising a compound represented by formula (BaxM1-x)1-0.25yMg1-yAl10+yO17+0.25y as a substrate, and Eu as an activator, wherein M represents Ca, Sr, or Ca and Sr, x and y satisfy the following relations, $0.5 \leq x \leq 1$, and $0.05 \leq y \leq 0.15$.

IPC 8 full level

C09K 11/64 (2006.01); **C09K 11/77** (2006.01); **C09K 11/79** (2006.01); **C09K 11/80** (2006.01)

CPC (source: EP KR US)

C09K 11/77 (2013.01 - KR); **C09K 11/7734** (2013.01 - EP KR US)

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1142976 A2 20011010; **EP 1142976 A3 20030723**; **EP 1142976 B1 20070711**; **EP 1142976 B8 20071010**; CN 1206312 C 20050615; CN 1317538 A 20011017; DE 60129268 D1 20070823; DE 60129268 T2 20080320; KR 100742552 B1 20070725; KR 20010095315 A 20011103; TW I285217 B 20070811; US 2002000538 A1 20020103; US 6576157 B2 20030610

DOCDB simple family (application)

EP 01108526 A 20010404; CN 01117323 A 20010404; DE 60129268 T 20010404; KR 20010017934 A 20010404; TW 90106454 A 20010320; US 81853901 A 20010328