

Title (en)  
FLUORESCENT SUBSTANCE AND LIGHT EMITTING DEVICE

Title (de)  
FLUORESZIERENDER STOFF UND LICHEMITTIERENDE VORRICHTUNG

Title (fr)  
SUBSTANCE FLUORESCENTE ET DISPOSITIF ELECTROLUMINESCENT

Publication  
**EP 1876213 B9 20110209 (EN)**

Application  
**EP 06731894 A 20060414**

Priority

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Abstract (en)  
[origin: EP1876213A1] The present invention provides a phosphor that has high luminance, a property of low luminance degradation during PDP driving, and chromaticity y comparable to that of BAM:Eu. The present invention is the phosphor that is represented by the general formula  $x\text{AO}\cdot y\text{ 1 EuO}\cdot y\text{ 2 EuO }3/2\cdot\text{DO}\cdot z\text{SiO }2$  wherein A is at least one selected from Ca, Sr and Ba, D is at least one selected from Mg and Zn, and  $2.970\#x\#3.500$ ,  $0.001\#y\text{ 1} + y\text{ 2}\#0.030$ , and  $1.900\#z\#2.100$  are satisfied, and that has 50 mol % or less of the divalent Eu ratio (ratio of the divalent Eu element to the total of the Eu elements) in the vicinity of the surface of the phosphor particle.

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