

Title (en)  
COMPOSITION CONTAINING A CORE-SHELL ALUMINATE, PHOSPHOR OBTAINED FROM SAID COMPOSITION, AND PREPARATION METHODS

Title (de)  
ZUSAMMENSETZUNG MIT EINEM EIN KERN-HÜLLE-ALUMINAT, DARAUS HERGESTELLTER PHOSPHOR UND HERSTELLUNGSVERFAHREN

Title (fr)  
COMPOSITION A BASE D'UN ALUMINATE, DE TYPE COEUR/COQUILLE, LUMINOPHORE ISSU DE CETTE COMPOSITION ET PROCEDES DE PREPARATION

Publication  
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Application  
**EP 11781538 A 20111110**

Priority  
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Abstract (en)  
[origin: WO2012079863A1] The composition of the invention includes: an inorganic core and an aluminate shell, said aluminate being of the formula  $(\text{CeaTbb})\text{Mg}_{1+x}\text{Al}_{11+y}\text{O}_{19+x+y}$  (1), where a, b, x and y comply with the relations  $a+b=1-0.2 = x = +0.2$  and  $-0.2 = y = +0.2$ , wherein the shell uniformly covers the inorganic core over a thickness of no less than 300 nm. The phosphor of the invention is obtained by calcinating the composition of the invention at a temperature of at least 1200°C.

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