

Title (en)  
LUMINESCENT COMPOUNDS

Title (de)  
LUMINESZENTE VERBINDUNGEN

Title (fr)  
COMPOSES LUMINESCENTS

Publication  
**EP 2536809 A1 20121226 (FR)**

Application  
**EP 11712897 A 20110214**

Priority  
• FR 1051126 A 20100217  
• FR 2011050303 W 20110214

Abstract (en)  
[origin: WO2011101584A1] The aim of the invention is to provide a crystalline compound of formula  $\text{Ln}_x \cdot (1-t_1-t_2-t_3-t_4) \text{Ybx} \cdot t_1 \text{Er}_x \cdot t_2 \text{Tmx} \cdot t_3 \text{Hox} \cdot t_4 \text{BayZnzO1}$ .  $5x+y+z$  where: Ln is Y, Gd or La,  $t_1+t_2+t_3+t_4$  varies from 0.001 to 0.3, preferably from 0.01 to 0.2, and such that when  $x=2$ ,  $y=1$ ,  $z=1$ ,  $t_1+t_3+t_4$  is nonzero if Ln is La or Gd and if  $t_3+t_4$  is zero, then  $t_1$  varies from 0.05 to 0.1 and  $t_2$  varies from 0.02 to 0.07 if Ln is Gd, then  $t_2+t_4$  is nonzero.

IPC 8 full level  
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See references of WO 2011101584A1

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