

Title (en)
LUMINESCENT COMPOUNDS

Title (de)
LUMINESZENTE VERBINDUNGEN

Title (fr)
COMPOSES LUMINESCENTS

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Application
EP 11712897 A 20110214

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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.

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