

Title (en)
CERIUM AND/OR TERBIUM PHOSPHATE OPTIONALLY WITH LANTHANUM, PHOSPHOR RESULTING FROM SAID PHOSPHATE AND METHOD FOR PREPARING SAME

Title (de)
CER- UND/ODER TERBIUMPHOSPHAT GEGEBENENFALLS MIT LANTHAN, LEUCHTSTOFF AUS DEM PHOSPHAT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PHOSPHATE DE CERIUM ET/OU DE TERBIUM, EVENTUELLEMENT AVEC DU LANTHANE, LUMINOPHORE ISSU DE CE PHOSPHATE ET PROCEDES DE PREPARATION DE CEUX-CI

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Application
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Priority

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- FR 0806503 A 20081120

Abstract (en)
[origin: WO2010057921A1] The invention relates to a rare earth (Ln) phosphate, Ln being either at least one rare earth selected from cerium and terbium, or lanthanum in combination with at least one of the two above-mentioned rare earths, that has a crystalline structure of the rhabdophane type or of the mixed rhabdophane/monazite type with a potassium content of 7000 ppm at most. The phosphate is obtained by the precipitation of a rare earth chloride at a constant pH lower than 2, by calcination at a temperature lower than 500°C and by redispersion in hot water. The invention also relates to a phosphor obtained by the calcination at at least 1000°C of said phosphate.

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Citation (search report)
See references of WO 2010057921A1

Citation (examination)

- GB 2124243 A 19840215 - MITSUBISHI ELECTRIC CORP
- EP 0581621 A1 19940202 - RHONE POULENC CHIMIE [FR]

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