

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, DARAUS RESULTIERENDER LEUCHTSTOFF UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

PHOSPHATE DE CÉRIUM ET/OU DE TERBIUM, ÉVENTUELLEMENT AVEC DU LANTHANE, LUMINOPHORE ISSU DE CE PHOSPHATE ET PROCÉDÉS DE PRÉPARATION DE CEUX-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010057918A1] 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 monazite type with a potassium content of 6000 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 of at least 700 °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.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2010057918A1

Citation (examination)

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