

Title (en)
CO-DOPED SILICOXYNITRIDES

Title (de)
CO-DOTIERTE SILICOXYNITRIDE

Title (fr)
SILICO-OXYNITRURE DOPÉ AU CO

Publication
EP 2454340 A1 20120523 (DE)

Application
EP 10725994 A 20100617

Priority
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Abstract (en)
[origin: WO2011006565A1] The invention relates to compounds of the formula (I) $(Ca,Sr,Ba)_6X(Si_1-yMe_y)_3(O_1-zMa_z)_6N_4$: Eux (I) where Me = Th, Ru and/or Os, Ma = F and/or Cl, $x < 0.5$, $y < 1$ and $z < 0.1$, and also to a process for producing these compounds and use as light-emitting substances, and also to conversion light-emitting substances for the conversion of the blue emission or the emission in the near UV from an LED.

IPC 8 full level
C09K 11/08 (2006.01); **C01B 21/082** (2006.01); **C09K 11/02** (2006.01); **C09K 11/77** (2006.01)

CPC (source: EP KR US)
C01B 21/082 (2013.01 - KR); **C01B 21/0821** (2013.01 - EP US); **C04B 35/597** (2013.01 - EP US); **C04B 35/6268** (2013.01 - EP US); **C04B 35/6269** (2013.01 - EP US); **C04B 35/62805** (2013.01 - EP US); **C04B 35/62807** (2013.01 - EP US); **C04B 35/62813** (2013.01 - EP US); **C04B 35/62815** (2013.01 - EP US); **C04B 35/62821** (2013.01 - EP US); **C04B 35/62823** (2013.01 - EP US); **C04B 35/62836** (2013.01 - EP US); **C04B 35/62892** (2013.01 - EP US); **C09K 11/025** (2013.01 - EP US); **C09K 11/0883** (2013.01 - EP US); **C09K 11/77** (2013.01 - KR); **C09K 11/7791** (2013.01 - EP US); **C09K 11/77927** (2021.01 - EP KR US); **C01P 2002/54** (2013.01 - EP US); **C01P 2002/84** (2013.01 - EP US); **C04B 2235/32** (2013.01 - EP US); **C04B 2235/3208** (2013.01 - EP US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3215** (2013.01 - EP US); **C04B 2235/3224** (2013.01 - EP US); **C04B 2235/3289** (2013.01 - EP US); **C04B 2235/3873** (2013.01 - EP US); **C04B 2235/3878** (2013.01 - EP US); **C04B 2235/3895** (2013.01 - EP US); **C04B 2235/444** (2013.01 - EP US); **C04B 2235/445** (2013.01 - EP US); **C04B 2235/449** (2013.01 - EP US); **C04B 2235/465** (2013.01 - EP US); **C04B 2235/528** (2013.01 - EP US); **C04B 2235/5292** (2013.01 - EP US); **C04B 2235/5296** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US)

Citation (search report)
See references of WO 2011006565A1

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