

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  
• EP 2010003656 W 20100617  
• DE 102009032711 A 20090711

Abstract (en)  
[origin: WO2011006565A1] The invention relates to compounds of the formula (I) (Ca,Sr,Ba)<sub>6</sub>-X (Si<sub>1-y</sub>Mey)<sub>3</sub>(O<sub>1-z</sub>Ma<sub>2z</sub>)<sub>6</sub>N<sub>4</sub>: 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)

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