

Title (en)
LIGHT SOURCE WITH A LOW COLOUR TEMPERATURE

Title (de)
LICHTQUELLE MIT NIEDRIGER FARBTEMPERATUR

Title (fr)
SOURCE LUMIERE A TEMPERATURE DE COULEUR LIMITEE

Publication
EP 1774600 A2 20070418 (DE)

Application
EP 05782756 A 20050715

Priority
• DE 2005001252 W 20050715
• DE 102004038199 A 20040805

Abstract (en)
[origin: WO2006012833A2] The invention relates to LEDs with a low colour temperature of up to 5000 K, consisting of a blue-emitting LED and two illuminants mounted upstream thereof, a first illuminant being from the category of chlorosilicates and a second illuminant from the category of nitridosilicates of formula (Ca,Sr)₂Si₅N₈:Eu.

IPC 8 full level
H01L 33/50 (2010.01)

CPC (source: EP US)
C09K 11/77342 (2021.01 - EP US); **C09K 11/77347** (2021.01 - EP US); **H01L 33/502** (2013.01 - EP US); **H05B 33/14** (2013.01 - EP US); **H01L 2224/32245** (2013.01 - EP US); **H01L 2224/48091** (2013.01 - EP US); **H01L 2224/48247** (2013.01 - EP US); **H01L 2224/73265** (2013.01 - EP US)

C-Set (source: EP US)
1. **H01L 2224/48091 + H01L 2924/00014**
2. **H01L 2224/73265 + H01L 2224/32245 + H01L 2224/48247 + H01L 2924/00**

Citation (search report)
See references of WO 2006012833A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006012833 A2 20060209; WO 2006012833 A3 20060601; CN 1993838 A 20070704; CN 1993838 B 20140423; DE 102004038199 A1 20060316; EP 1774600 A2 20070418; JP 2008508734 A 20080321; JP 4587330 B2 20101124; KR 101247232 B1 20130325; KR 20070042924 A 20070424; TW 200612584 A 20060416; TW I389333 B 20130311; US 2007247829 A1 20071025; US 8979318 B2 20150317

DOCDB simple family (application)
DE 2005001252 W 20050715; CN 200580026365 A 20050715; DE 102004038199 A 20040805; EP 05782756 A 20050715; JP 2007524165 A 20050715; KR 20067026276 A 20050715; TW 94126329 A 20050803; US 65960405 A 20050715