

Title (en)
OPTOELECTRONIC SEMICONDUCTOR COMPONENT

Title (de)
OPTOELEKTRONISCHES HALBLEITERBAUTEIL

Title (fr)
COMPOSANT SEMI-CONDUCTEUR OPTO-ÉLECTRONIQUE

Publication
EP 2443674 A2 20120425 (DE)

Application
EP 10720408 A 20100512

Priority
• EP 2010056602 W 20100512
• DE 102009025266 A 20090617

Abstract (en)
[origin: WO2010145893A2] In at least one embodiment of the optoelectronic semiconductor component (1), the latter has a housing base (2) and at least one semiconductor chip (3), which is attached to the housing base (2). In operation, the optoelectronic semiconductor chip (3) emits primary radiation, the primary radiation having a proportion of ultraviolet radiation. Furthermore, the semiconductor component (1) comprises a filter means (4), which is equipped to absorb the ultraviolet proportion of the primary radiation, wherein the filter means (14) is at least partly located between the semiconductor chip (3) and the housing base (2) and/or between the semiconductor chip (3) and an optical component (7). The proportion of ultraviolet radiation, in reference to a total optical output of the primary radiation, is between 0.1% and 4.0% inclusive.

IPC 8 full level
H01L 33/44 (2010.01); **H01L 33/56** (2010.01)

CPC (source: EP KR US)
H01L 33/44 (2013.01 - EP KR US); **H01L 33/48** (2013.01 - KR); **H01L 33/50** (2013.01 - KR); **H01L 33/56** (2013.01 - KR);
H01L 33/56 (2013.01 - EP US)

Citation (search report)
See references of WO 2010145893A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010145893 A2 20101223; WO 2010145893 A3 20110224; CN 102460745 A 20120516; CN 102460745 B 20150422;
DE 102009025266 A1 20101230; DE 102009025266 B4 20150820; EP 2443674 A2 20120425; JP 2012530365 A 20121129;
KR 101673457 B1 20161107; KR 20120036982 A 20120418; US 2012098015 A1 20120426; US 8569782 B2 20131029

DOCDB simple family (application)
EP 2010056602 W 20100512; CN 201080027028 A 20100512; DE 102009025266 A 20090617; EP 10720408 A 20100512;
JP 2012515407 A 20100512; KR 20127001375 A 20100512; US 201013318624 A 20100512