

Title (en)
OPTOELECTRONIC SEMICONDUCTOR COMPONENT

Title (de)
OPTOELEKTRONISCHES HALBLEITERBAUTEIL

Title (fr)
COMPOSANT SEMICONDUCTEUR OPTOÉLECTRONIQUE

Publication
EP 2347456 A1 20110727 (DE)

Application
EP 09796291 A 20091027

Priority
• DE 2009001504 W 20091027
• DE 102008054029 A 20081030

Abstract (en)
[origin: WO2010048935A1] The invention relates to an optoelectronic semiconductor component which comprises at least one radiation-emitting semiconductor chip (3); at least one converter element (4), mounted downstream of the semiconductor chip (3), for converting the electromagnetic radiation emitted by the semiconductor chip (3) during operation, the converter element (4) emitting colored light when irradiated with surrounding light; means for the diffuse scattering of light (5) which means are adapted to scatter, when the component is in a switched-off operating state, the surrounding light incident on the component in such a manner that a light emission surface (62) of the component appears white.

IPC 8 full level
H01L 33/58 (2010.01); **H01L 33/50** (2010.01)

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H01L 33/58 (2013.01 - EP US); **H01L 33/507** (2013.01 - EP US); **H01L 2933/0041** (2013.01 - EP US); **H01L 2933/0091** (2013.01 - EP US)

Citation (search report)
See references of WO 2010048935A1

Citation (examination)
• WO 2010038097 A1 20100408 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• EP 2113949 A2 20091104 - CREE INC [US]
• US 2008064131 A1 20080313 - CHANG JUNG-CHIEN [TW]

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Designated extension state (EPC)
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DE 102008054029 A1 20100506; CN 102272955 A 20111207; CN 102272955 B 20160511; EP 2347456 A1 20110727; KR 101628420 B1 20160608; KR 20110079769 A 20110707; TW 201025682 A 20100701; TW I447968 B 20140801; US 2011266576 A1 20111103; WO 2010048935 A1 20100506

DOCDB simple family (application)
DE 102008054029 A 20081030; CN 200980153426 A 20091027; DE 2009001504 W 20091027; EP 09796291 A 20091027; KR 20117012251 A 20091027; TW 98136397 A 20091028; US 200913127213 A 20091027