

Title (en)
OPTOELECTRONIC COMPONENT

Title (de)
OPTOELEKTRONISCHES BAUELEMENT

Title (fr)
COMPOSANT OPTOELECTRONIQUE

Publication
EP 1925035 A1 20080528 (DE)

Application
EP 06775911 A 20060824

Priority

- DE 2006001493 W 20060824
- DE 102005041063 A 20050830
- DE 102006020529 A 20060503

Abstract (en)
[origin: DE102006020529A1] An optoelectronic component comprises a semiconductor body (3) emitting electromagnetic radiation on operation of the component and a separate optical element (9) spaced from the semiconductor body in the radiating direction and comprising at least one wavelength conversion material (10) that changes the emitted wavelength into a different wavelength. Preferably the converting material comprises particles embedded in the optical element matrix.

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

CPC (source: EP US)
H01L 33/507 (2013.01 - EP US); **H01L 33/58** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

Citation (search report)
See references of WO 2007025516A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
DE 102006020529 A1 20070301; EP 1925035 A1 20080528; JP 2009506557 A 20090212; KR 20080040788 A 20080508; TW 200721543 A 20070601; TW I319917 B 20100121; US 2008265268 A1 20081030; WO 2007025516 A1 20070308

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DE 102006020529 A 20060503; DE 2006001493 W 20060824; EP 06775911 A 20060824; JP 2008528329 A 20060824; KR 20087007486 A 20080327; TW 95131577 A 20060828; US 6493906 A 20060824