

Title (en)
OPTOELECTRONIC SEMICONDUCTOR CHIP

Title (de)
OPTOELEKTRONISCHER HALBLEITERCHIP

Title (fr)
PUCE A SEMI-CONDUCTEUR OPTO-ELECTRONIQUE

Publication
EP 1929550 A1 20080611 (DE)

Application
EP 06818007 A 20060914

Priority
• DE 2006001615 W 20060914
• DE 102005047168 A 20050930

Abstract (en)
[origin: WO2007036197A1] An optoelectronic semiconductor chip which emits during its operation electromagnetic radiation from its front side (7) comprises: a series (1) of semiconductor layers with an active zone (4) suitable for generating the electromagnetic radiation and a self-supporting, electroconducting mechanical supporting layer (10) which is formed on the series of semiconductor layers, mechanically supports the series (1) of semiconductor layers and is transparent to the radiation from the semiconductor chip.

IPC 8 full level
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CPC (source: EP US)
H01L 33/0093 (2020.05 - EP US); **H01L 33/42** (2013.01 - EP US); **H01L 33/10** (2013.01 - EP US); **H01L 33/22** (2013.01 - EP US);
H01L 2924/0002 (2013.01 - EP US)

Citation (search report)
See references of WO 2007036197A1

Citation (examination)
US 5008718 A 19910416 - FLETCHER ROBERT M [US], et al

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
WO 2007036197 A1 20070405; CN 101278412 A 20081001; DE 102005047168 A1 20070412; EP 1929550 A1 20080611;
JP 2009510736 A 20090312; KR 20080069593 A 20080728; TW 200717877 A 20070501; US 2009121245 A1 20090514

DOCDB simple family (application)
DE 2006001615 W 20060914; CN 200680036091 A 20060914; DE 102005047168 A 20050930; EP 06818007 A 20060914;
JP 2008532582 A 20060914; KR 20087010542 A 20080430; TW 95134951 A 20060921; US 99284306 A 20060914