

Title (en)
OPTICAL SEMICONDUCTOR DIODE

Title (de)
OPTISCHE HALBLEITERDIODE

Title (fr)
DIODE OPTIQUE A SEMI-CONDUCTEUR

Publication
EP 1086498 A1 20010328 (DE)

Application
EP 00914057 A 20000302

Priority
• DE 0000665 W 20000302
• DE 19914716 A 19990331

Abstract (en)
[origin: WO0060675A1] The invention relates to an optical semiconductor diode (1) in which at least one intermediate layer (4) is positioned between an epitaxial layer stack (2) on a surface region (11) of a substrate (10) and said surface region. The intermediate layer contacts the surface region on its flat side such that it partly covers same and partly leaves it exposed and reflects a part (32) of a radiation (30) generated in the layer stack in the direction of the surface region.

IPC 1-7
H01L 33/00

IPC 8 full level
H01L 33/00 (2006.01); **H01L 33/10** (2010.01); **H01L 33/22** (2010.01)

CPC (source: EP)
H01L 33/10 (2013.01); **H01L 33/22** (2013.01)

Citation (search report)
See references of WO 0060675A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
WO 0060675 A1 20001012; EP 1086498 A1 20010328

DOCDB simple family (application)
DE 0000665 W 20000302; EP 00914057 A 20000302