

Title (en)  
ILLUMINATION UNIT COMPRISING LUMINESCENCE DIODE CHIP AND OPTICAL WAVEGUIDE, METHOD FOR PRODUCING AN ILLUMINATION UNIT AND LCD DISPLAY

Title (de)  
BELEUCHTUNGSEINHEIT MIT LUMINESZENZDIODENCHIP UND LICHTLEITER, VERFAHREN ZUM HERSTELLEN EINER BELEUCHTUNGSEINHEIT UND LCD-DISPLAY

Title (fr)  
UNITE D'ECLAIRAGE COMPORTANT UNE PUCHE A DIODE ELECTROLUMINESCENTE ET UN GUIDE D'ONDES OPTIQUES, PROCEDE DE FABRICATION D'UNE UNITE D'ECLAIRAGE ET AFFICHAGE LCD

Publication  
**EP 1929340 A1 20080611 (DE)**

Application  
**EP 06791397 A 20060922**

Priority  

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- DE 102005052356 A 20051102

Abstract (en)  
[origin: WO2007036207A1] An illumination unit comprising a luminescence diode chip mounted on a chip carrier and an optical waveguide is specified. The optical waveguide (3) is assembled from at least two separate parts (4, 5), the luminescence diode chip (2) being encapsulated by one of the parts (4) of the optical waveguide (3). A method for producing a luminescence diode chip (2) of this type and also an LCD display comprising an illumination unit of this type are furthermore specified.

IPC 8 full level  
**F21K 99/00** (2016.01); **G02B 6/00** (2006.01); **H01L 33/30** (2010.01); **H01L 33/48** (2010.01); **H01L 33/54** (2010.01); **H01L 33/56** (2010.01); **H01L 33/58** (2010.01); **H01L 33/62** (2010.01)

CPC (source: EP KR US)  
**G02B 6/0001** (2013.01 - KR); **G02B 6/0018** (2013.01 - EP US); **G02B 6/002** (2013.01 - EP US); **G02B 6/0028** (2013.01 - EP US); **G02B 6/0065** (2013.01 - EP US); **G02B 6/0073** (2013.01 - EP US); **G02B 6/42** (2013.01 - KR); **G02F 1/1335** (2013.01 - KR); **H01L 2224/48091** (2013.01 - EP US); **H01L 2224/48247** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007036207A1

Citation (examination)  

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- US 2004008952 A1 20040115 - KRAGL HANS [DE]
- EP 1213773 A1 20020612 - LABOSPHERE INST [JP]

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DE

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