

Title (en)  
FLAT UV LIGHT SOURCE

Title (de)  
FLÄCHIGE UV-LICHTQUELLE

Title (fr)  
SOURCE LUMINEUSE A UV PLATE

Publication  
**EP 1735159 A2 20061227 (DE)**

Application  
**EP 05729345 A 20050329**

Priority  
• EP 2005003268 W 20050329  
• DE 102004015700 A 20040329

Abstract (en)  
[origin: WO2005093858A2] A flat UV light source has a tight packing of UV light-emitting diodes (56) that are arranged in a matrix. These light-emitting diodes are cooled by cooling air flows (66) or by cooling water flows.

IPC 8 full level  
**B41F 23/04** (2006.01); **F21K 99/00** (2010.01); **F26B 3/28** (2006.01); **H01L 33/00** (2006.01)

CPC (source: EP US)  
**F21K 9/00** (2013.01 - EP US); **F21V 29/83** (2015.01 - EP US); **F26B 3/283** (2013.01 - EP US); **B05D 3/061** (2013.01 - EP US);  
**F21V 29/677** (2015.01 - EP US)

Citation (search report)  
See references of WO 2005093858A2

Citation (third parties)  
Third party :  
HUBERT M. ET AL: "High Power UV LED array for curing Photoadhesives", PROCEEDINGS OF SPIE, vol. 5260, 2003, SPIE, BELLINGHAM, WA, XP003027452

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**WO 2005093858 A2 20051006; WO 2005093858 A3 20060615**; DE 102004015700 A1 20051103; EP 1735159 A2 20061227;  
US 2008315132 A1 20081225; US 7910899 B2 20110322

DOCDB simple family (application)  
**EP 2005003268 W 20050329**; DE 102004015700 A 20040329; EP 05729345 A 20050329; US 54743905 A 20050329