

Title (en)  
FLAT LIGHT EMITTER

Title (de)  
FLACHSTRAHLER

Title (fr)  
SPOT PLAT

Publication  
**EP 0912992 A2 19990506 (DE)**

Application  
**EP 98925421 A 19980320**

Priority  
• DE 9800830 W 19980320  
• DE 19711893 A 19970321

Abstract (en)  
[origin: DE19711893A1] The invention relates to a flat light emitter with dielectrically impeded strip-like cathodes (12; 15) and anodes (8; 9a) which are alternately arranged on the wall of the discharge vessel (14). The inventive device has an additional anode (9b) between each adjacent cathode (12; 15), i.e. a pair of anodes (9) is respectively arranged between said cathodes (12; 15). The cathodes (15) have nose-shaped extensions (28) facing each adjacent anode (8). Said extensions are more densely arranged as they advance towards the edges (26, 27) of the light emitter (13). Alternately or additionally, both anode strips (9a; 9b) of each anode pair (9) are wider on one side in the direction of each partner strip (9b or 9a) as they advance towards the edges (26, 27) of the light emitter (13). Such a design enables the surface luminance of the flat light emitter (13) to remain substantially constant even at the edges (26, 27, 29, 30).

IPC 1-7  
**H01J 61/00; H01J 65/00**

IPC 8 full level  
**H01J 61/06** (2006.01); **H01J 61/30** (2006.01); **H01J 61/00** (2006.01); **H01J 61/92** (2006.01); **H01J 65/00** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP KR US)  
**H01J 61/00** (2013.01 - KR); **H01J 61/305** (2013.01 - EP US); **H01J 61/92** (2013.01 - EP US); **H01J 65/046** (2013.01 - EP US)

Designated contracting state (EPC)  
BE DE DK ES FI FR GB IT NL SE

DOCDB simple family (publication)  
**US 6252352 B1 20010626**; CN 1165961 C 20040908; CN 1220770 A 19990623; DE 19711893 A1 19980924; DE 59809916 D1 20031120; DK 0912992 T3 20031124; EP 0912992 A2 19990506; EP 0912992 B1 20031015; ES 2209149 T3 20040616; HU 223639 B1 20041028; HU P0000674 A2 20000628; HU P0000674 A3 20030128; JP 2000500917 A 20000125; JP 3249538 B2 20020121; KR 100385009 B1 20030821; KR 20000015789 A 20000315; TW 414917 B 20001211; WO 9843278 A2 19981001; WO 9843278 A3 19981223

DOCDB simple family (application)  
**US 18085698 A 19981117**; CN 98800319 A 19980320; DE 19711893 A 19970321; DE 59809916 T 19980320; DE 9800830 W 19980320; DK 98925421 T 19980320; EP 98925421 A 19980320; ES 98925421 T 19980320; HU P0000674 A 19980320; JP 54468798 A 19980320; KR 19980709337 A 19981119; TW 87104179 A 19980320