

Title (en)
High power emitting device.

Title (de)
Hochleistungsstrahler.

Title (fr)
Emetteur de rayonnement à haute puissance.

Publication
EP 0578953 A1 19940119 (DE)

Application
EP 93108758 A 19930601

Priority
DE 4222130 A 19920706

Abstract (en)
In a UV excimer emitting device, the turn-on behaviour (triggering behaviour, ignition behaviour) when it is initially turned on and in the event of relatively long pauses in operation is improved in that means of local field distortion are provided in the discharge space. The means may be either deliberately incorporated local constrictions (12) or an interference body (disturbance body) (13) consisting of aluminium oxide or titanium oxide.

Abstract (de)
Bei einem UV-Excimerstrahler wird das Zündverhalten beim ersten Zünden bzw. längeren Betriebspausen dadurch verbessert, dass im Entladungsraum Mittel zur lokalen Feldverzerrung vorgesehen sind. Diese Mittel können entweder gezielt angebrachte lokale Verengungen (12) oder ein Störkörper (13) aus Aluminium- oder Titanoxid sein.

IPC 1-7
H01J 65/04; **H01J 61/54**

IPC 8 full level
H01J 61/54 (2006.01); **H01J 65/00** (2006.01); **H01J 65/04** (2006.01); **H01S 3/038** (2006.01)

CPC (source: EP US)
H01J 61/54 (2013.01 - EP US); **H01J 65/046** (2013.01 - EP US)

Citation (search report)
• [E] EP 0547366 A1 19930623 - ASEA BROWN BOVERI [CH]
• [A] EP 0477914 A2 19920401 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
• [A] EP 0184214 A2 19860611 - GTE PROD CORP [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 55 (E-481)(2502) 20. Februar 1987 & JP-A-61 216 232 (MATSUSHITA ELECTRONICS) 25. September 1986

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EP0948030A3; EP0871203A3; EP0703602A1; US6060828A; WO2011117045A1; WO9811596A1; EP1220285B1

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DOCDB simple family (application)
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