

Title (en)  
High power radiation device.

Title (de)  
Hochleistungsstrahler.

Title (fr)  
Dispositif de rayonnement à haute puissance.

Publication  
**EP 0482230 A1 19920429 (DE)**

Application  
**EP 90120261 A 19901022**

Priority  
EP 90120261 A 19901022

Abstract (en)  
[origin: JPH04264349A] PURPOSE: To realize a high output beam generating apparatus that enables manufacture of economical and constituting of an extremely large surface beam generator based on the modular structure. CONSTITUTION: A plurality of dielectric tubes 6 having inner electrodes 7 are provided inside quartz forming bodies with a rectangle shape cross section at a UV high output beam. A filling gas is filled in the inner space of tubes that generate a UV beam under the discharging condition. A power supply structure is as follows, i.e., discharge sections 17 are formed between neighboring dielectric tubes 6. The superior features of this structure are compactness, economy, and ease of service.

Abstract (de)  
Bei einem UV-Hochleistungsstrahler liegen mehrere Dielektrikumsrohre (6) mit Innenelektroden (7) im Inneren eines Quarzprofils mit rechteckigem Querschnitt. Der Innenraum des Rohres ist mit einem unter Entladungsbedingungen UV-Strahlung aussendendem Füllgas gefüllt. Die elektrische Anspeisung ist so getroffen, dass sich die Entladungen (17) zwischen benachbarten Dielektrikumsrohren (6) ausbildet. Dieser Aufbau zeichnet sich durch Kompaktheit, Wirtschaftlichkeit und Servicefreundlichkeit aus. <IMAGE>

IPC 1-7  
**H01J 65/04**

IPC 8 full level  
**H01J 61/30** (2006.01); **H01J 61/35** (2006.01); **H01J 61/52** (2006.01); **H01J 61/54** (2006.01); **H01J 65/00** (2006.01); **H01J 65/04** (2006.01); **H01S 3/03** (2006.01); **H01S 3/038** (2006.01); **H01S 3/097** (2006.01); **H05H 1/24** (2006.01)

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

Citation (search report)  
• [YD] EP 0363832 A1 19900418 - ASEA BROWN BOVERI [CH]  
• [Y] EP 0385205 A1 19900905 - ASEA BROWN BOVERI [CH]

Cited by  
DE4235743A1; EP1615258A3; EP1615257A3; EP1615258A2

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DOCDB simple family (application)  
**EP 90120261 A 19901022**; DE 59009300 T 19901022; JP 27363191 A 19911022; JP 437496 U 19960521; US 77040891 A 19911003