

Title (en)
UV generator un method for UV generation

Title (de)
UVgenerator und Verfahren dazu

Title (fr)
Procédé, générateur et tube à éclairs pour générer des UVC

Publication
EP 1455556 A1 20040908 (FR)

Application
EP 04290581 A 20040303

Priority
FR 0302544 A 20030303

Abstract (en)
The process involves sending an impulse of current of dl/dt greater than 50 amperes per microsecond in a flash tube (10) of diameter greater than or equal to 8 millimeter to have a required life span. A secondary impulse of current having an amplitude and time constant is chosen to avoid the extinction of tube after emission of flash generated by the former current impulse. Independent claims are also included for the following: (a) a device for the production of ultraviolet C radiation (UVC) (b) utilization of the device producing the UVC radiation for decontamination (c) a process of decontamination in which the UVC radiation are generated by the process of generating UVC radiation.

Abstract (fr)
La présente invention concerne un procédé pour générer des UVC, caractérisé par le fait que l'on envoie dans un tube à éclairs une impulsion de courant de dl/dt supérieur à 50 A/ μ s et par le fait que l'on utilise un tube (10) dont le diamètre intérieur (d") est suffisamment grand pour avoir la durée de vie recherchée. <IMAGE>

IPC 1-7
H05B 41/30

IPC 8 full level
H05B 41/30 (2006.01)

CPC (source: EP)
H05B 41/30 (2013.01)

Citation (search report)

- [Y] DE 4303624 A1 19940811 - EGBERTS GERHARD DR ING [DE]
- [Y] US 2722629 A 19551101 - GERMESHAUSEN KENNETH J
- [Y] US 2002149326 A1 20021017 - INOCHKIN MIKHAIL [RU], et al
- [A] US 6453145 B1 20020917 - MIURA KUNIYUKI [JP]
- [A] US 5883471 A 19990316 - RODMAN JEFFREY C [US], et al
- [A] DE 2302917 A1 19740725 - MULTIBLITZ MANNESMANN GMBH CO

Cited by
FR2867347A1; FR2980665A1; FR2926948A1; WO2013041555A1; WO2009095584A1

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

DOCDB simple family (publication)
EP 1455556 A1 20040908; FR 2852189 A1 20040910; FR 2852189 B1 20050805

DOCDB simple family (application)
EP 04290581 A 20040303; FR 0302544 A 20030303