

Title (en)

BALLAST DEVICE FOR UV EMITTER AND METHOD AND DEVICE FOR DISINFECTION OF WATER

Title (de)

VORSCHALTGERÄT FÜR UV-STRAHLER SOWIE VERFAHREN UND VORRICHTUNG ZUR DESINFEKTION VON WÄSSERN

Title (fr)

BALLAST POUR EMETTEUR DE RAYONNEMENT U.V., PROCEDE ET DISPOSITIF DE STERILISATION DES EAUX

Publication

**EP 1374648 B1 20061025 (DE)**

Application

**EP 02730043 A 20020321**

Priority

- DE 10113903 A 20010321
- EP 0203203 W 20020321

Abstract (en)

[origin: WO02076153A1] The invention relates to a novel ballast device for pre-heating, starting and operating at least one UV emitter, constructed in the form of a gas discharge lamp with two heating coils lying opposite each other in relation to a gas discharge path, whereby four electrical connections are provided in total for each of such gas discharge paths, namely two for each heating coil. According to the invention, switching means are provided for a parallel switching of both of said connectors of a heating coil, dependent upon operating conditions. A capacitive loading of the ballast device is thus avoided by means of the otherwise open connector line for the heating coil and the current feed to the coils is evenly distributed.

IPC 8 full level

**C02F 1/32** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP KR US)

**H05B 41/00** (2013.01 - KR); **H05B 41/2988** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

**WO 02076153 A1 20020926**; AU 2002302455 B2 20060316; CA 2409380 A1 20021115; CA 2409380 C 20111018; DE 10113903 A1 20020926; DE 50208546 D1 20061207; EP 1374648 A1 20040102; EP 1374648 B1 20061025; ES 2272713 T3 20070501; JP 2004518535 A 20040624; JP 4243650 B2 20090325; KR 20030007665 A 20030123; NZ 522283 A 20040924; US 2003132717 A1 20030717; US 6906468 B2 20050614

DOCDB simple family (application)

**EP 0203203 W 20020321**; AU 2002302455 A 20020321; CA 2409380 A 20020321; DE 10113903 A 20010321; DE 50208546 T 20020321; EP 02730043 A 20020321; ES 02730043 T 20020321; JP 2002573487 A 20020321; KR 20027015735 A 20021121; NZ 52228302 A 20020321; US 29647902 A 20021121