

Title (en)
HIGH-FREQUENCY LAMP AND METHOD FOR THE OPERATION THEREOF

Title (de)
HOCHFREQUENZLAMPE UND VERFAHREN ZU DEREN BETRIEB

Title (fr)
LAMPE HAUTE FRÉQUENCE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
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Application
EP 08855170 A 20081127

Priority
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Abstract (en)
[origin: CA2706389A1] The invention relates to a novel design for constructing a high-frequency lamp (10) for low-pressure and high-pressure applications, and a method for the operation thereof, particularly suitable for improving the characteristics with regard to efficiency, emission spectrum, cost, and long life, in that the use of an ignition unit is no longer necessary, even at very low high-frequency power, due to an impedance transformer (26) connected downstream of a power amplifier (20), because the application of as high a voltage as possible to an ionization chamber (16) is successfully achieved by the impedance transformation.

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H01J 65/042 (2013.01 - EP US); **H05B 41/24** (2013.01 - EP US); **H05B 41/382** (2013.01 - EP US); **Y02B 20/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2009068618A2

Citation (examination)
• EP 0593311 A1 19940420 - FLOWIL INT LIGHTING [NL]
• US 5300860 A 19940405 - GODYAK VALERY A [US], et al

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