Title (en)

RF SCREEN ASSEMBLY FOR MICROWAVE POWERED UV LAMPS

Title (de)

HF-SCHIRMANORDNUNG FÜR MIKROWELLENBETRIEBENE UV-LAMPEN

Title (fr)

ENSEMBLE ÉCRAN RF POUR LAMPES UV À MICRO-ONDES

Publication

EP 2556513 A4 20130925 (EN)

Application

EP 10849578 A 20100405

Priority

US 2010029954 W 20100405

Abstract (en)

[origin: WO2011126473A1] An RF screen for microwave powered UV lamp systems is provided. The RF screen is formed of a single sheet of conductive material in which a mesh pattern has been formed. The screen includes a non-traditional mesh pattern including individual openings with 3 or more nodes. The RF screen is generally configured to optimize the balance between light transmission and RF energy leakage desired for the particular application. Generally, it is desired that the RF screen has an open area percentage greater than about 80% while limiting RF energy leakage from the microwave powered lamp system to acceptable levels.

IPC 8 full level

H05K 9/00 (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP KR)

G21G 4/00 (2013.01 - KR); **H01J 65/044** (2013.01 - EP)

Citation (search report)

- [XY] US 4673846 A 19870616 - YOSHIZAWA KENJI [JP], et al
- [XY] GB 2353897 A 20010307 - LG ELECTRONICS INC [KR]
- [YD] US 6841790 B1 20050111 - PHILLIPS JOHN THOMAS [US], et al
- See references of WO 2011126473A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2010029954 W 20100405; BR 112012025374 A 20100405; CN 201080066836 A 20100405; EP 10849578 A 20100405; JP 2013503718 A 20100405; KR 20127028955 A 20100405; SG 2012074498 A 20100405