

Title (en)  
PLASMA LAMP SYSTEM

Title (de)  
PLASMALAMPENSYSYSTEM

Title (fr)  
SYSTÈME DE LAMPE À PLASMA

Publication  
**EP 4052281 A2 20220907 (DE)**

Application  
**EP 20811525 A 20201030**

Priority  
• LU 101467 A 20191101  
• EP 2020080598 W 20201030

Abstract (en)  
[origin: WO2021084110A2] The invention relates to a plasma lamp system (1) having a lamp housing (2) and a lighting means (3), wherein: the lamp housing (2) encloses a lamp volume (4); the lighting means (3) is arranged within the lamp volume (4); the lighting means (3) can be excited by microwave radiation (5) to emit electromagnetic radiation (6); a housing wall (7) of the lamp housing (2) has an irradiation section (8) through which the microwave radiation (5) can be irradiated into the lamp volume (4) in such a way that the lighting means (3) can be excited; wherein the lamp housing (2) has a shielding arrangement (9); the shielding arrangement (9) is adapted to the microwave radiation (5) in such a way that a propagation of the microwave radiation (5) through the shielding arrangement (9) is prevented, characterised in that the lamp volume (4) is and/or can be sealed in a gas-tight manner by the lamp housing (2) with respect to an external gas volume (10) that is arranged outside the lamp housing (2).

IPC 8 full level  
**F21V 15/01** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP)  
**H01J 65/044** (2013.01)

Citation (search report)  
See references of WO 2021084110A2

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2021084110 A2 20210506; WO 2021084110 A3 20210701**; EP 4052281 A2 20220907; LU 101467 B1 20210511

DOCDB simple family (application)  
**EP 2020080598 W 20201030**; EP 20811525 A 20201030; LU 101467 A 20191101