

Title (en)
ELECTRODE FOR A PLASMA GENERATOR

Title (de)
ELEKTRODE FÜR PLASMAERZEUGER

Title (fr)
ÉLECTRODE POUR GÉNÉRATEUR DE PLASMA

Publication
EP 2143306 A1 20100113 (DE)

Application
EP 08718192 A 20080325

Priority
• EP 2008053507 W 20080325
• DE 102007020419 A 20070427

Abstract (en)
[origin: US2010171425A1] The invention relates to an electrode for a plasma generator for generating plasmas at atmospheric pressure or near-atmospheric pressures by means of excitation using microwaves. The invention provides an electrode made of a sheet metal strip (1), in the longitudinal direction of which at least one slot (2) is introduced at a length that is one time or multiple times that of a quarter of the wavelength of the open-circuit voltage of the microwave such that at least two partial electrodes (3) are formed, wherein the voltage supply line is provided on the partial electrodes (3) in the region of the closed slot end or ends.

IPC 8 full level
H05H 1/24 (2006.01); **H05H 1/46** (2006.01)

CPC (source: EP KR US)
H05H 1/46 (2013.01 - EP US); **H05H 1/463** (2021.05 - EP KR); **H05H 1/463** (2021.05 - US); **H05H 2240/10** (2013.01 - EP KR US); **H05H 2245/34** (2021.05 - EP KR US); **H05H 2277/11** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2008131997A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2010171425 A1 20100708; **US 8339047 B2 20121225**; AT E521217 T1 20110915; DE 102007020419 A1 20081106; EP 2143306 A1 20100113; EP 2143306 B1 20110817; JP 2010525534 A 20100722; JP 5683262 B2 20150311; KR 101555385 B1 20150923; KR 20100015978 A 20100212; WO 2008131997 A1 20081106

DOCDB simple family (application)
US 45113908 A 20080325; AT 08718192 T 20080325; DE 102007020419 A 20070427; EP 08718192 A 20080325; EP 2008053507 W 20080325; JP 2010504600 A 20080325; KR 20097022500 A 20080325