

Title (en)

HOLLOW FUNNEL-SHAPED PLASMA GENERATOR

Title (de)

HOHLTRICHTERFÖRMIGER PLASMAGENERATOR

Title (fr)

GÉNÉRATEUR DE PLASMA EN FORME D'ENTONNOIR CREUX

Publication

EP 2532214 A1 20121212 (DE)

Application

EP 10788326 A 20101208

Priority

- DE 102010001606 A 20100204
- EP 2010069123 W 20101208

Abstract (en)

[origin: WO2011095245A1] The invention relates to a plasma generator (1), comprising a gas guide channel (7) which extends in an end region along an axis (9) and ends on said axis (9), a frusticonical shell-shaped wall (10) delimited radially outwardly by at least one section of the end region of the gas guide channel (6), and an electrode (2) disposed coaxially within the frusticonical shell-shaped wall (10), wherein at least in the section of the end region the gas guide channel (7) is delimited inwardly by a frusticonical shell-shaped surface (11) that faces the frusticonical shell-shaped wall (10) and is disposed coaxially thereto. In said plasma generator, the electrode (2) extends annularly about the axis (9) and a working channel (12) which is transparent at least to light of a wavelength extends on the axis (9) through the electrode (2) as far as the gas guide channel (7).

IPC 8 full level

H05H 1/24 (2006.01)

CPC (source: EP US)

H05H 1/2406 (2013.01 - EP US)

Citation (search report)

See references of WO 2011095245A1

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

DOCDB simple family (publication)

DE 102010001606 A1 20110804; EP 2532214 A1 20121212; EP 2532214 B1 20160323; WO 2011095245 A1 20110811

DOCDB simple family (application)

DE 102010001606 A 20100204; EP 10788326 A 20101208; EP 2010069123 W 20101208