

Title (en)

ATMOSPHERIC-PRESSURE PLASMA GENERATION DEVICE

Title (de)

ATMOSPHÄRENDRUCK-PLASMAERZEUGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE GÉNÉRATION DE PLASMA SOUS PRESSION ATMOSPHERIQUE

Publication

EP 3253183 B1 20231108 (EN)

Application

EP 15879895 A 20150127

Priority

JP 2015052191 W 20150127

Abstract (en)

[origin: EP3253183A1] Atmospheric pressure plasma generator 20 includes: tubular outer tube 20; inner tube 22, with an outer diameter smaller than an inner diameter of the outer tube, that is inserted inside the outer tube, the inner tube being formed from a material with either positive or negative electrical polarity; and electrode 26 with electrical polarity opposite to that of the material of the inner tube, the electrode being provided on an outer circumferential surface of the outer tube, wherein, in a state with processing gas flowing in at least one of a first flow path inside the inner tube and a second flow path between an outer circumferential surface of the inner tube and an inner circumferential surface of the outer tube, processing gas flowing through the at least one of the first flow path and the second flow path is plasmarized by applying an electric current to the electrode.

IPC 8 full level

H05H 1/24 (2006.01)

CPC (source: EP US)

H05H 1/2406 (2013.01 - EP US); **H05H 1/2443** (2021.05 - EP); **H05H 1/246** (2021.05 - EP); **H05H 1/2465** (2021.05 - EP)

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