

Title (en)

METHOD FOR AVOIDING OVERLOAD ON THE BURNER NOZZLE OF A PLASMA TORCH

Title (de)

VERFAHREN ZUR VERMEIDUNG VON ÜBERLAST AN DER BRENNERDÜSE EINES PLASMA-BRENNERS

Title (fr)

PROCÉDÉ DESTINÉ À ÉVITER UNE SURCHARGE AU NIVEAU DE LA BUSE D'UN BRÛLEUR À PLASMA

Publication

EP 3268161 A1 20180117 (DE)

Application

EP 16711788 A 20160308

Priority

- DE 102015002939 A 20150310
- EP 2016054924 W 20160308

Abstract (en)

[origin: WO2016142383A1] The invention relates to a method for starting a formulation in a plasma torch, the method comprising the following steps:
- adjusting a current intensity to a current intensity nominal value, and - adjusting a gas flow to a gas flow nominal value, characterized in that during adjustment of the gas flow to the gas flow nominal value the current intensity is regulated such that it is always below the current intensity nominal value so that no intensity peak is produced.

IPC 8 full level

B23K 10/00 (2006.01); **H05H 1/36** (2006.01)

CPC (source: EP US)

B23K 10/00 (2013.01 - US); **B23K 10/006** (2013.01 - EP US); **H05H 1/34** (2013.01 - EP US); **H05H 1/3494** (2021.05 - EP); **H05H 1/3494** (2021.05 - US)

Citation (search report)

See references of WO 2016142383A1

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 2016142383 A1 20160915; CA 2977882 A1 20160915; CN 107614183 A 20180119; CN 107614183 B 20200214; EP 3268161 A1 20180117; JP 2018508099 A 20180322; US 2018035526 A1 20180201

DOCDB simple family (application)

EP 2016054924 W 20160308; CA 2977882 A 20160308; CN 201680012807 A 20160308; EP 16711788 A 20160308; JP 2017545335 A 20160308; US 201615556911 A 20160308