

Title (en)

COMPONENT FOR A CONTACT START PLASMA ARC TORCH

Title (de)

BESTANDTEIL FÜR EINEN KONTAKTSTART-LICHTBOGENPLASMABRENNER

Title (fr)

COMPOSANT POUR UNE TORCHE À PLASMA D'ARC

Publication

EP 2801244 B1 20170621 (EN)

Application

EP 12801696 A 20121206

Priority

- US 201213344860 A 20120106
- US 2012068135 W 20121206

Abstract (en)

[origin: WO2013103466A1] A component for a contact start plasma arc torch is provided. The component includes a hollow body defining a channel with a longitudinal axis. The channel is capable of slideably receiving an electrode body along the longitudinal axis. The component includes a contact element disposed in the hollow body and includes a first surface and a second surface. The first surface is adapted to facilitate electrical communication with a power supply and the second surface is adapted to physically contact a surface of the electrode body when the plasma arc torch is operated in a transferred arc mode. In addition, the second surface is characterized by the absence of physical contact with the surface of the electrode body when the torch is operated in a pilot arc mode.

IPC 8 full level

H05H 1/34 (2006.01)

CPC (source: EP US)

H05H 1/34 (2013.01 - EP US); **H05H 1/3489** (2021.05 - EP)

Citation (opposition)

Opponent : Thermacut k.s.

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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