

Title (en)  
PROTECTIVE NOZZLE CAP, PLASMA ARC TORCH COMPRISING SAID PROTECTIVE NOZZLE CAP, AND USE OF THE PLASMA ARC TORCH

Title (de)  
DÜSENSCHUTZKAPPE, LICHTBOGENPLASMABRENNER MIT DIESER DÜSENSCHUTZKAPPE SOWIE EINE VERWENDUNG DES LICHTBOGENPLASMABRENNERS

Title (fr)  
CAPUCHON DE PROTECTION DE BUSE, TORCHE À PLASMA POURVUE DE CE CAPUCHON DE PROTECTION DE BUSE AINSI QU'UTILISATION DE LA TORCHE À PLASMA

Publication  
**EP 3524038 A1 20190814 (DE)**

Application  
**EP 17783449 A 20171006**

Priority  
• DE 102016219350 A 20161006  
• EP 2017075482 W 20171006

Abstract (en)  
[origin: WO2018065578A1] The protective nozzle cap (7) of the invention for a plasma arc torch (1) is positioned and secured externally on the tip of the plasma arc torch (1) at which a plasma jet exits the plasma arc torch (1) through nozzle-type openings (4a, 7a). The protective nozzle cap (7) is made of an iron alloy containing at least 0.05% sulfur.

IPC 8 full level  
**H05H 1/34** (2006.01)

CPC (source: EP RU US)  
**H05H 1/34** (2013.01 - EP RU US); **H05H 1/3457** (2021.05 - EP); **H05H 1/28** (2013.01 - US); **H05H 1/3457** (2021.05 - US)

Citation (search report)  
See references of WO 2018065578A1

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BA ME

DOCDB simple family (publication)  
**WO 2018065578 A1 20180412**; CN 110036697 A 20190719; DE 102016219350 A1 20180412; EP 3524038 A1 20190814; EP 3524038 B1 20230607; JP 2019535109 A 20191205; JP 7090074 B2 20220623; RU 2019110297 A 20201106; RU 2019110297 A3 20201125; RU 2741583 C2 20210127; US 11178746 B2 20211116; US 2020045804 A1 20200206

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