

Title (en)  
PLASMA CUTTING DEVICE

Title (de)  
PLASMASCHNEIDVORRICHTUNG

Title (fr)  
DISPOSITIF DE DÉCOUPAGE AU PLASMA

Publication  
**EP 2022300 A2 20090211 (EN)**

Application  
**EP 07734474 A 20070503**

Priority  
• IB 2007001157 W 20070503  
• IT BO20060332 A 20060504

Abstract (en)  
[origin: WO2007129194A2] A plasma cutting device with pneumatic contact striking, supplied of at least an hollow nozzle (3) having a passing hole (4) for the plasma exit obtained from a gas flow that flow into the cavity in which is housed an electrode (2) moved by a translation means between a rest condition (R) and an operational condition (O) in which the electrode (2) and the nozzle (3) are respectively in contact and spaced. The electrode (2) and the nozzle (3) are equipped with stop means respectively first (5) and second (6) spaced to realize the mutual contact between the electrode (2) and the nozzle (3) in the rest condition (R). The electrode (2) and the nozzle (3) are positioned, in the operational condition (O), at a distance (D) from the passing hole (4) equal at least two times the minimal dimension (M) of such passing hole (4).

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

CPC (source: EP US)  
**H05H 1/34** (2013.01 - EP US); **H05H 1/3442** (2021.05 - EP); **H05H 1/3478** (2021.05 - EP); **H05H 1/3489** (2021.05 - EP)

Citation (search report)  
See references of WO 2007129194A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007129194 A2 20071115**; **WO 2007129194 A3 20080717**; EP 2022300 A2 20090211; IT BO20060332 A1 20071105

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