

Title (en)  
Plasma arc cutting torch

Title (de)  
Plasmabogenschneidbrenner

Title (fr)  
Torche de coupage à plasma d'arc

Publication  
**EP 0845929 B1 20020522 (EN)**

Application  
**EP 97120002 A 19971114**

Priority  
IT BO960162 U 19961129

Abstract (en)  
[origin: EP0845929A1] A plasma arc cutting torch, comprising a sleeve (4) which is coaxial to a negative electrode (2) from which the arc starts, and defines, together with the electrode, a tubular chamber (5) through which a gas whose plasma is to be obtained is conveyed, a tube (19) being arranged coaxially around the sleeve (4) and forming a tubular interspace (20) through which air is conveyed to cool the sleeve. <IMAGE>

IPC 1-7  
**H05H 1/34**; **H05H 1/28**

IPC 8 full level  
**H05H 1/28** (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP US)  
**H05H 1/28** (2013.01 - EP); **H05H 1/34** (2013.01 - EP US); **H05H 1/3457** (2021.05 - EP); **H05H 1/3478** (2021.05 - EP)

Cited by  
CN107835555A; EP1363480A1

Designated contracting state (EPC)  
DE ES IT

DOCDB simple family (publication)  
**EP 0845929 A1 19980603**; **EP 0845929 B1 20020522**; DE 69712714 D1 20020627; DE 69712714 T2 20020905; ES 2174164 T3 20021101; IT 242449 Y1 20010614; IT BO960162 U1 19980529

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