

Title (en)

Process and device for producing a plasma arc.

Title (de)

Verfahren und Vorrichtung zur Erzeugung eines Plasmabogens.

Title (fr)

Procédé et dispositif de formation d'un arc plasma.

Publication

EP 0186560 A1 19860702 (FR)

Application

EP 85402379 A 19851203

Priority

FR 8418703 A 19841207

Abstract (en)

[origin: US4650956A] For forming the plasma arc there is used nitrogen protoxide in the liquid state which is conducted through a valve (12) to an expansion orifice (33) which produces a cooling effect on the electrode (5,6). Applications in particular in plasma arc torch cutting.

Abstract (fr)

L'invention concerne la formation d'un arc plasma. On utilise, à cet effet, du protoxyde d'azote à l'état liquid que l'on transfère par une vanne (12) vers un orifice de détente (33) produisant un effet refroidisseur de l'électrode (5, 6). Applications notamment au coupage plasma.

IPC 1-7

H05H 1/28

IPC 8 full level

B23K 10/00 (2006.01); **H05H 1/28** (2006.01)

CPC (source: EP US)

H05H 1/28 (2013.01 - EP US)

Citation (search report)

[A] FR 2534106 A1 19840406 - SOUDURE AUTOGENE FRANCAISE [FR], et al

Cited by

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Designated contracting state (EPC)

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EP 0186560 A1 19860702; AU 5081185 A 19860612; AU 573712 B2 19880616; BR 8506136 A 19860826; DK 565485 A 19860608; DK 565485 D0 19851206; ES 549626 A0 19870401; ES 8704666 A1 19870401; FR 2574614 A1 19860613; FR 2574614 B1 19870130; JP S61142700 A 19860630; NO 854927 L 19860609; PT 81628 A 19860611; US 4650956 A 19870317; ZA 859372 B 19860827

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