

Title (en)

PLASMA STREAM GENERATOR WITH A CLOSED-CONFIGURATION ARC

Title (de)

PLASMALICHTBOGENSTROM-ERZEUGUNGSVORRICHTUNG MIT GESCHLOSSENER KONFIGURATION

Title (fr)

GENERATEUR DE FLUX DE PLASMA D'ARC DE CONFIGURATION FERMEE

Publication

**EP 0861576 B1 20000906 (FR)**

Application

**EP 96934315 A 19961112**

Priority

- CH 9600403 W 19961112
- CH 321095 A 19951113

Abstract (en)

[origin: WO9718693A1] A plasma stream generator with a closed-configuration arc for achieving a stream comprising a central area at a uniform or very low temperature. The generator comprises a higher or even much higher number of electrode pairs than is usual, whereby rows may be formed and, in particular, an elongate stream, i.e. a curtain, may be achieved. The orientation problems resulting from the closeness of the jets and the increased attraction/repulsion therebetween are solved by means of magnetic devices (coils) of which there are generally three for a pair of electrode chambers.

IPC 1-7

**H05H 1/44**

IPC 8 full level

**H05H 1/34** (2006.01); **H05H 1/44** (2006.01)

CPC (source: EP US)

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Cited by

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**WO 9718693 A1 19970522**; DE 69610221 D1 20001012; DE 69610221 T2 20010426; EP 0861576 A1 19980902; EP 0861576 B1 20000906; ES 2152043 T3 20010116; JP 2000500273 A 20000111; US 6050215 A 20000418

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