

Title (en)

A MACHINE AND PROCESS FOR CUTTING METAL TUBES USING A PLASMA JET

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHNEIDEN VON METALLISCHEN ROHREN MITTELS EINES PLASMASTRAHLS

Title (fr)

MACHINE ET PROCEDE POUR COUPER DES TUBES METALLIQUES AU MOYEN D'UN JET DE PLASMA

Publication

**EP 1009577 A1 20000621 (EN)**

Application

**EP 97935533 A 19970722**

Priority

- EP 9703944 W 19970722
- IT TO960815 A 19961004

Abstract (en)

[origin: WO9815379A1] In the machine and process according to the invention a metal tube (H) to be cut is caused to translate axially along a rectilinear path. The cutting of the tube (H) into lengths is effected by means of one or more plasma torches (180) which are moved in a helical motion concentric with the axis of the tube (H) at a speed having an axial component equal to the speed of translation of the tube.

IPC 1-7

**B23K 10/00**

IPC 8 full level

**B23K 10/00** (2006.01); **B23K 37/02** (2006.01); **B23K 37/047** (2006.01)

CPC (source: EP)

**B23K 10/00** (2013.01); **B23K 37/0229** (2013.01); **B23K 37/047** (2013.01)

Citation (search report)

See references of WO 9815379A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9815379 A1 19980416**; AU 3849297 A 19980505; EP 1009577 A1 20000621; IT 1288731 B1 19980924; IT TO960815 A1 19980404

DOCDB simple family (application)

**EP 9703944 W 19970722**; AU 3849297 A 19970722; EP 97935533 A 19970722; IT TO960815 A 19961004