

Title (en)

CUTTING WIRE DEVICE COMPRISING A ROTATING ORGAN HAVING WIRE LUBRICATING MEANS

Title (de)

DRAHTSCHNEIDEVORRICHTUNG MIT EINEM ROTIERENDEN ELEMENT MIT MITTEL ZUR SCHMIERUNG DES DRAHTS

Title (fr)

DISPOSITIF DE DÉCOUPE PAR FIL COMPORTANT UN ORGANE ROTATIF POURVU DE MOYENS DE LUBRIFICATION DU FIL

Publication

**EP 3157702 A1 20170426 (FR)**

Application

**EP 15732199 A 20150622**

Priority

- FR 1455790 A 20140623
- EP 2015063928 W 20150622

Abstract (en)

[origin: WO2015197523A1] The invention primarily relates to a device (1) for wire cutting (2) of a piece to be cut (3), intended to move with respect to the wire (2) to enable the cut, comprising at least one first rotary member (5a) rotating around a first axis of rotation (Xa) and one second rotary member (5b) rotating around a second axis of rotation (Xb), said first (Xa) and second (Xb) axes of rotation being substantially parallel to one another, said at least one first (5a) and one second (5b) rotary members driving the wire (2) substantially perpendicular to said first (Xa) and second (Xb) axes of rotation, the wire (2) resting against the external surface (Sa, Sb) of each of said at least one first (5a) and one second (5b) rotary members extending around the corresponding axis of rotation (Xa, Xb), at least one of the said at least one first (5a) and one second (5b) rotary members comprising lubrication means (6a, 6b) of the wire (2) configured to allow circulation of a lubricating liquid from the centre thereof (Ca, Cb) to the external surface thereof (Sa, Sb) in contact with the wire (2), and the lubrication means (6a) comprising a lubrication liquid (F) feed device (7a), mounted on the axis of rotation (Xa) of said at least one of said at least one first (5a) and second (5b) rotary members, to supply the centre thereof (Ca) with lubrication liquid (F).

IPC 8 full level

**B23D 57/00** (2006.01); **B28D 5/00** (2006.01); **B28D 5/04** (2006.01)

CPC (source: EP US)

**B23D 57/0053** (2013.01 - EP US); **B28D 5/0076** (2013.01 - EP US); **B28D 5/045** (2013.01 - EP US)

Citation (search report)

See references of WO 2015197523A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3022478 A1 20151225**; **FR 3022478 B1 20170310**; EP 3157702 A1 20170426; US 2017136655 A1 20170518; WO 2015197523 A1 20151230

DOCDB simple family (application)

**FR 1455790 A 20140623**; EP 15732199 A 20150622; EP 2015063928 W 20150622; US 201515320178 A 20150622