

Title (en)

Cutting system for wire working machines

Title (de)

Schnittsystem für Drahtbearbeitungsmaschinen

Title (fr)

Système de coupe pour machines de travail de fil métallique

Publication

EP 2255902 A3 20120606 (DE)

Application

EP 10002713 A 20100315

Priority

DE 102009022969 A 20090528

Abstract (en)

[origin: EP2255902A2] The system (1) has a knife holder (6) carrying a knife (7) that co-acts with a stationary counter-blade tool, during cutting operation. The holder is connected to a cam disk of a crankshaft (3). The shaft is driven by an asynchronous motor (2), at which a gyrating mass (10) i.e. gyrating wheel, is connected, where kinetic energy of the mass is released as a cutting force, during impingement of the knife on a wire. The motor precisely performs rotation per cutting cycle and is controlled so that the motor is accelerated, during starting of the operation, and is braked after the operation.

IPC 8 full level

B21F 3/02 (2006.01); **B21F 11/00** (2006.01); **B23D 15/02** (2006.01)

CPC (source: EP US)

B21F 3/02 (2013.01 - EP US); **B21F 11/00** (2013.01 - EP US); **B26D 5/14** (2013.01 - US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/8827** (2015.04 - EP US); **Y10T 83/8843** (2015.04 - EP US)

Citation (search report)

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- [I] US 4112721 A 19780912 - TAKASE HIROBUMI, et al
- [A] US 2005016348 A1 20050127 - WU DAVID [TW]

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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

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