

Title (en)

Tool for a stamping machine with an oscillating tool insert

Title (de)

Werkzeug für eine Stanzmaschine mit einem oszillierenden Werkzeugeinsatz

Title (fr)

Outil pour une machine de poinçonnage dotée d'un ensemble d'outil oscillant

Publication

EP 2198989 B1 20111026 (DE)

Application

EP 08022324 A 20081222

Priority

EP 08022324 A 20081222

Abstract (en)

[origin: EP2198989A1] The tool has a tool element (41) for receiving a punching machine in a tool receiver, and oscillated tool inserts (24) movably mounted in the tool element in a direction of an axle (20). The oscillated tool inserts includes a drive mechanism for movement, where the drive mechanism is provided with an internal gear (26) that is rotatably mounted at the axle. The drive mechanism includes a mechanical unit that is adapted to change rotational movement of the internal gear at the axle in the oscillated motion of the oscillated tool inserts.

IPC 8 full level

B21D 28/20 (2006.01); **B21C 51/00** (2006.01); **B44B 5/00** (2006.01)

CPC (source: EP US)

B21D 28/20 (2013.01 - EP US); **B44B 5/0004** (2013.01 - EP US); **Y10T 83/8697** (2015.04 - EP US)

Cited by

US10245633B2; WO2015176974A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2198989 A1 20100623; **EP 2198989 B1 20111026**; AT E530269 T1 20111115; CN 102264487 A 20111130; CN 102264487 B 20140507; JP 2012513307 A 20120614; JP 5642089 B2 20141217; US 2011308294 A1 20111222; US 8839654 B2 20140923; WO 2010072326 A1 20100701

DOCDB simple family (application)

EP 08022324 A 20081222; AT 08022324 T 20081222; CN 200980152124 A 20091208; EP 2009008767 W 20091208; JP 2011542693 A 20091208; US 201113164304 A 20110620