

Title (en)

Machine tools and method for discharging a workpiece part

Title (de)

Werkzeugmaschinen und Verfahren zum Ausschleusen eines Werkstückteils

Title (fr)

Machines-outils et procédé destinés à l'évacuation d'une partie d'une pièce à usiner

Publication

EP 2177289 B1 20110706 (DE)

Application

EP 08018301 A 20081020

Priority

EP 08018301 A 20081020

Abstract (en)

[origin: EP2177289A1] The tool has a discharging slope (25) arranged such that a workpiece part is severed from a workpiece supported on a support surface (23) of a punching die (11'), which is displaced in a rotational, tilting or linear movement from a processing position partially overlying the discharging slope towards a removal position on the discharging slope. The workpiece part is severed from a workpiece supported on the support surface of the punching die, which slides towards a discharging position located beneath the support surface and adjacent to the punching die. An independent claim is also included for a method for discharging workpiece parts severed from a plate workpiece via a punching operation.

IPC 8 full level

B21D 28/14 (2006.01); **B21D 28/34** (2006.01); **B21D 45/00** (2006.01)

CPC (source: EP US)

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Cited by

DE102016119435A1; DE102016119434A1; WO2018055182A1; FR2990886A1; EP3106241A1; WO2018055184A1; US10625330B2; US11241727B2

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