

Title (en)

Tool for machining workpieces, in particular sheet metal

Title (de)

Werkzeug zum Bearbeiten von Werkstücken, insbesondere Blechen

Title (fr)

Outil destiné à travailler des pièces à usiner, notamment des tôles

Publication

**EP 2722194 B1 20161214 (DE)**

Application

**EP 12189482 A 20121022**

Priority

EP 12189482 A 20121022

Abstract (en)

[origin: EP2722194A1] The tool (11) has upper tools (21) for receiving machining tools (20), and a secondary tool (22) for receiving a backstop. The backstop is operated as a spring ball. The upper tools and the secondary tool are arranged opposite to each other such that a workpiece (12) is arranged between a side of the backstop and sides of the machining tools. The spring ball comprises an outer rim, which comprises smaller surface hardness than the workpiece to be machined on a workpiece surface of the workpiece to be machined. The outer rim is designed as a coating or a covering.

IPC 8 full level

**B44B 5/00** (2006.01); **B21D 17/04** (2006.01)

CPC (source: CN EP)

**B21D 17/04** (2013.01 - CN EP); **B44B 5/022** (2013.01 - EP)

Cited by

DE102016120151A1; WO2018055178A1; CN110588231A; WO2019029935A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2722194 A1 20140423; EP 2722194 B1 20161214**; CN 103770042 A 20140507; CN 103770042 B 20170919;  
DE 102013111607 A1 20140626; JP 2014083596 A 20140512; JP 6296750 B2 20180320

DOCDB simple family (application)

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