

Title (en)
MACHINE TOOL AND METHOD FOR MACHINING PLANAR WORKPIECES

Title (de)
WERKZEUGMASCHINE UND VERFAHREN ZUM BEARBEITEN VON PLATTENFÖRMIGEN WERKSTÜCKEN

Title (fr)
MACHINE-OUTIL ET PROCÉDÉ D'USINAGE DE PIÈCES EN FORME DE PLAQUE

Publication
EP 3515627 A1 20190731 (DE)

Application
EP 17780339 A 20170926

Priority
• DE 102016118175 A 20160926
• DE 102016120142 A 20161021
• EP 2017074303 W 20170926

Abstract (en)
[origin: WO2018055185A1] The invention relates to a machine tool and to a method for machining planar workpieces, preferably metal sheets, comprising an upper tool (11), which can be moved along a reciprocation axis (14) by means of a reciprocation drive device (13) in a direction toward a workpiece (10) to be machined by means of the upper tool (11) and in the opposite direction and which can be positioned along an upper positioning axis (16) extending perpendicularly to the reciprocation axis (14) by means of at least one motor drive assembly (17), a lower tool (9), which is aligned with the upper tool (11) and can be positioned along a lower positioning axis (25) by means of at least one motor drive assembly (26), which lower positioning axis is oriented perpendicularly to the reciprocation axis (14) of the upper tool (11), and at least one controller (15), by means of which the motor drive assemblies (17, 26) can be controlled for moving the upper and lower tools (11, 9), the movement of the upper tool (11) along the upper positioning axis (16) and the movement of the lower tool (9) along the lower positioning axis (25) being controllable independently of each other, and at least one measuring device (601) oriented toward the lower drive assembly (26) being provided on the upper drive assembly (17) and/or at least one measuring device (604) oriented toward the upper drive assembly (17) being provided on the lower drive assembly (26).

IPC 8 full level
B21D 37/14 (2006.01); **B21D 28/02** (2006.01); **G01B 11/00** (2006.01)

CPC (source: EP)
B21D 28/02 (2013.01); **B21D 37/145** (2013.01)

Citation (search report)
See references of WO 2018055185A1

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)
WO 2018055185 A1 20180329; CN 109789474 A 20190521; CN 109789474 B 20210723; EP 3515627 A1 20190731; EP 3515627 B1 20200909; JP 2019531193 A 20191031; JP 7023937 B2 20220222

DOCDB simple family (application)
EP 2017074303 W 20170926; CN 201780059068 A 20170926; EP 17780339 A 20170926; JP 2019515989 A 20170926