

Title (en)
METHOD AND DEVICE FOR CUTTING A WORKPIECE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM SCHNEIDEN EINES WERKSTÜCKS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE COUPE D'UNE PIÈCE À USINER

Publication
EP 3793759 A1 20210324 (DE)

Application
EP 19718340 A 20190416

Priority
• DE 102018112056 A 20180518
• EP 2019059785 W 20190416

Abstract (en)
[origin: WO2019219315A1] The invention relates inter alia to method for cutting a workpiece, in particular a circuit board or a component, comprising the steps of: inserting the workpiece (3) into a cutting device, the cutting device having a first tool half (1) having at least one workpiece (12) and at least one first cutting means (11), which comprises a first cutting edge (111) and a bearing surface (112), as well as a second tool half (2) having at least one second cutting means (21) having a second cutting edge (211) and a bearing surface (212), clamping of the workpiece (3) by means of the workpiece holder (12) and the bearing surface (212) of the second cutting means, cutting the workpiece (3) by means of the cutting means (11, 21), the workpiece (3) undergoing, before the cutting, both a first preliminary bending, which is produced in a substantially opposite direction to the cutting direction, and also thereafter a second preliminary bending in the cutting direction.

IPC 8 full level
B23D 35/00 (2006.01); **B21D 28/02** (2006.01)

CPC (source: EP US)
B21D 28/02 (2013.01 - EP US); **B23D 35/001** (2013.01 - EP US); **B23P 23/04** (2013.01 - US)

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)
DE 102018112056 A1 20191121; **DE 102018112056 B4 20220428**; **DE 102018112056 B9 20220721**; CN 112188943 A 20210105; CN 112188943 B 20231121; EP 3793759 A1 20210324; MX 2020012104 A 20210129; US 11938577 B2 20240326; US 2023182244 A1 20230615; WO 2019219315 A1 20191121

DOCDB simple family (application)
DE 102018112056 A 20180518; CN 201980033315 A 20190416; EP 19718340 A 20190416; EP 2019059785 W 20190416; MX 2020012104 A 20190416; US 201917055670 A 20190416