

Title (en)

WORK STATION FOR ELECTROCHEMICALLY MACHINING A WORKPIECE, IN PARTICULAR A ROTATIONALLY SYMMETRICAL WORKPIECE, COMPRISING A PLURALITY OF RECESSES, AND METHOD FOR PRODUCING AN END CONTOUR OF A RECESS

Title (de)

ARBEITSSTATION ZUM ELEKTROCHEMISCHEN BEARBEITEN EINES WERKSTÜCKS, INSBESONDERE EINES ROTATIONSSYMMETRISCHEN WERKSTÜCKS, MIT MEHREREN AUSNEHMUNGEN SOWIE VERFAHREN ZUR HERSTELLUNG EINER ENDKONTUR EINER AUSNEHMUNG

Title (fr)

POSTE DE TRAVAIL POUR LE TRAITEMENT ÉLECTROCHIMIQUE D'UNE PIÈCE, NOTAMMENT D'UNE PIÈCE À SYMÉTRIE DE RÉVOLUTION, COMPORTANT UNE PLURALITÉ D'ÉVIDEMENTS ET PROCÉDÉ DE PRODUCTION D'UN CONTOUR FINAL D'UN ÉVIDEMENT

Publication

EP 3746248 A1 20201209 (DE)

Application

EP 19711802 A 20190125

Priority

- DE 102018201568 A 20180201
- DE 2019000016 W 20190125

Abstract (en)

[origin: WO2019149303A1] The invention relates to a work station (10) for electrochemically machining a workpiece (12), in particular a rotationally symmetrical workpiece, having a plurality of recesses, comprising a base structure (14); a module (24) which is fastened to the base structure (14) and is configured to electrochemically machine the workpiece (12), the module (24) having a module base body (28) that can be rotated about an axis of rotation of the module (MZ) relative to the base structure (14); a workpiece holder (20) which is fastened to the base structure (14) and to which the workpiece (12) can be fastened, wherein the workpiece holder (20) is movable relative to the base structure (14) along a feed axis (ZA) parallel to the axis of rotation of the module (MZ); wherein the module (24) comprises an electrode carrier arrangement (34) which is coupled to the module base body (28) in such a way that the electrode carrier arrangement (34) can be rotated together with the module base body (28) about the axis of rotation of the module (MZ). The invention is characterized in that the electrode carrier arrangement (34) has a carrier frame (36) and an electrode frame (38), wherein at least one electrode (40) is detachably fastened to the electrode frame (38).

IPC 8 full level

B23H 7/26 (2006.01); **B23H 3/00** (2006.01); **B23H 9/10** (2006.01)

CPC (source: EP US)

B23H 3/04 (2013.01 - US); **B23H 7/26** (2013.01 - EP US); **B23H 9/10** (2013.01 - EP US); **F01D 5/30** (2013.01 - US); **B23H 3/00** (2013.01 - EP); **B23H 2300/10** (2013.01 - EP US); **B23H 2500/00** (2013.01 - EP US); **F05D 2220/32** (2013.01 - US); **F05D 2230/11** (2013.01 - EP US)

Citation (search report)

See references of WO 2019149303A1

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 102018201568 A1 20190801; EP 3746248 A1 20201209; US 11471966 B2 20221018; US 2021138568 A1 20210513; WO 2019149303 A1 20190808

DOCDB simple family (application)

DE 102018201568 A 20180201; DE 2019000016 W 20190125; EP 19711802 A 20190125; US 201916965428 A 20190125