

Title (en)
METHOD FOR DETERMINING THE MINIMUM WIDTH AND ATTACHMENT POSITION OF A MICRO JOINT, AND METHOD FOR MACHINING A WORKPIECE

Title (de)
VERFAHREN ZUM BESTIMMEN EINER MINIMALEN BREITE SOWIE EINER ANSATZPOSITION EINES MICROJOINTS UND VERFAHREN ZUM BEARBEITEN EINES WERKSTÜCKS

Title (fr)
PROCÉDÉ POUR DÉTERMINER UNE LARGEUR MINIMALE ET UN EMPLACEMENT DE JOINTURE D'UN MICRO-JOINT ET PROCÉDÉ POUR USINER UNE PIÈCE

Publication
EP 4146433 A1 20230315 (DE)

Application
EP 21725072 A 20210505

Priority
• DE 102020205680 A 20200506
• EP 2021061767 W 20210505

Abstract (en)
[origin: WO2021224286A1] The invention relates to a method for determining the minimum width (BMJ,min) of a micro joint (17), by means of which a workpiece part (14) remains connected to the remainder (15) of a workpiece (8), in particular a plate-shaped workpiece, upon machining the workpiece (8). According to the method, the minimum width (BMJ,min) of the micro joint (17) is determined on the basis of at least one machining parameter (p), which influences the position of the workpiece part (14) relative to the remainder (15) of the workpiece upon machining the workpiece (8). The invention also relates to a method for determining the attachment position (m) of such a micro joint (17) and to a method for machining a workpiece (8), in particular a plate-shaped workpiece.

IPC 8 full level
B23K 26/38 (2006.01); **B23K 26/70** (2014.01); **B23K 31/10** (2006.01)

CPC (source: EP US)
B23K 26/38 (2013.01 - EP US); **B23K 26/70** (2015.10 - EP); **B23K 31/10** (2013.01 - EP)

Citation (search report)
See references of WO 2021224286A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020205680 A1 20211111; CN 115551670 A 20221230; EP 4146433 A1 20230315; US 2023054278 A1 20230223; WO 2021224286 A1 20211111

DOCDB simple family (application)
DE 102020205680 A 20200506; CN 202180033152 A 20210505; EP 2021061767 W 20210505; EP 21725072 A 20210505; US 202217981637 A 20221107