

Title (en)

PROCESSING MACHINE FOR FLAT MATERIAL PARTS WITH A LAYING UNIT AND METHOD THEREFOR

Title (de)

BEARBEITUNGSMASCHINE FÜR FLACHMATERIALTEILE MIT EINER AUFLEGEEINHEIT UND VERFAHREN HIERFÜR

Title (fr)

MACHINE D'USINAGE POUR PIÈCES DE MATÉRIAU PLAT DOTÉE D'UNE UNITÉ DE POSE ET PROCÉDÉ CORRESPONDANT

Publication

EP 3778048 B1 20230607 (DE)

Application

EP 19191932 A 20190815

Priority

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Abstract (en)

[origin: US2021046533A1] A processing machine for flat material parts includes a machine frame, a lower beam, an upper beam, at least one processing tool, and a control unit and an infeed table on which the flat material part to be processed can be placed for positioning in the processing machine. A support loading unit with a plurality of suction cups is provided for the positioning of the flat material part on the infeed table. The infeed table can be moved from a parking position in an extension direction to a loading and unloading position and back again. The support unit is mounted on the movement axis assigned to the processing tool or tools for a pivoting movement into the same direction.

IPC 8 full level

B21D 5/00 (2006.01); **B21D 5/04** (2006.01); **B21D 43/00** (2006.01); **B21D 43/11** (2006.01); **B21D 43/18** (2006.01)

CPC (source: EP US)

B21D 5/002 (2013.01 - EP); **B21D 5/042** (2013.01 - EP US); **B21D 43/003** (2013.01 - EP); **B21D 43/11** (2013.01 - EP); **B21D 43/18** (2013.01 - EP)

Citation (examination)

JORNSSWISS: "Jorns longfolder (integrated in manufacturing line)", 14 May 2009 (2009-05-14), XP055878540, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=WwuX11ckxmM&ab_channel=jornsswiss> [retrieved on 20220112]

Cited by

EP4357040A1; EP4427861A1; AU2023216852B1; WO2023280635A1; US11969778B1

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DOCDB simple family (application)

EP 19191932 A 20190815; AU 2020217311 A 20200810; EP 20190323 A 20200810; PT 20190323 T 20200810; SI 202030096 T 20200810; US 202016992768 A 20200813