

Title (en)

Double end profiler with workpiece guide rail and process for manufacturing workpieces therewith

Title (de)

Doppelendprofiler mit Werkstück-Führungsschiene und Verfahren zur Herstellung von Werkstücken hiermit

Title (fr)

Machine à profiler à deux bouts avec rail de guidage de la pièce et procédé de fabrication de pièces avec ladite machine

Publication

EP 1657035 B1 20061227 (DE)

Application

EP 05019324 A 20050906

Priority

DE 102004054973 A 20041113

Abstract (en)

[origin: EP1657035A1] The workpiece guide rail (14) and the tool (8.1, 8.2) for cutting the guide groove (5.1) in the workpiece (5) for locating this rail are aligned in the machine direction so that they extend up to the point where the milling tools (13.1) on the outside of the support rail (10.1) engage with the workpiece or extend beyond this point, and so that they extend along the outside of the press device for moving the workpiece along the rails, next to the outer side of the friction belt (7.1) next to the guide rail. The workpiece is passed through the profiler, which comprises two parallel support rails separated by a variable distance and with horizontal glide surfaces for supporting the workpiece on air cushions. An endless friction belt is located above each rail. Milling devices are located on the outsides of the rails. A guide rail above one of the support rails extends in a downwards direction towards the support rail or in an upwards direction above the glide surface on the support rail. The guide rail engages with a guide groove in the workpiece extending in the machine direction. At least one cutting device with one or more cutting tools is located before the milling devices with respect to the machine direction. The cutting device is aligned with the guide groove in the machine direction.

IPC 8 full level

B27C 5/06 (2006.01); **B27F 1/06** (2006.01); **B27F 1/08** (2006.01); **B27F 5/02** (2006.01)

CPC (source: EP)

B27C 5/06 (2013.01); **B27F 1/06** (2013.01); **B27F 5/026** (2013.01)

Cited by

CN110549416A; CN109333680A

Designated contracting state (EPC)

DE ES FR IT PL

DOCDB simple family (publication)

DE 202004018661 U1 20050217; DE 102004054973 A1 20060713; DE 502005000265 D1 20070208; EP 1657035 A1 20060517; EP 1657035 B1 20061227; ES 2277314 T3 20070701; PL 1657035 T3 20070531

DOCDB simple family (application)

DE 202004018661 U 20041202; DE 102004054973 A 20041113; DE 502005000265 T 20050906; EP 05019324 A 20050906; ES 05019324 T 20050906; PL 05019324 T 20050906