

Title (en)
INSTALLATION FOR MACHINING WORKPIECES

Title (de)
ANLAGE ZUR BEARBEITUNG VON WERKSTÜCKEN

Title (fr)
INSTALLATION D'USINAGE DE PIECES

Publication
EP 1343610 A1 20030917 (DE)

Application
EP 01988028 A 20011214

Priority
• DE 10064523 A 20001222
• EP 0114814 W 20011214

Abstract (en)
[origin: WO02051582A1] The invention relates to an installation in which workpieces are conveyed on a conveyor belt (10) to different stations by means of a workpiece carrier. Working means for machining the workpiece shall be operational at these stations. To this end, the conveyor belt (10) comprises stoppers, which serve to stop the transported workpiece carriers for a defined period of time at the station for as long as the operation of the working means is required. Fixing means are also provided, which ensure an orientation of the workpiece with regard to the working means at each station. In order to create a universal installation that can be easily adapted to the respective conditions, the conveyor belt (10) is provided so that it is continuous, and the stations (10.1 to 10.10) are to be defined by standard frames (20), which are freely positioned underneath the conveyor belt. These standard frames (20) each comprise, in the top area, the fixing means and, on the side, coupling means (31) for counter-coupling means of a working frame. The working frame is combined with the working means, which are specific to the respective station (10.1 to 10.10), to form an independent machining unit. After coupling the working frame to the standard frame (20), the working means of the machining unit are located above the continuous conveyor belt.

IPC 1-7
B23P 21/00; **B23Q 7/14**; **B23Q 37/00**

IPC 8 full level
B23P 21/00 (2006.01); **B23Q 1/01** (2006.01); **B23Q 7/14** (2006.01); **B23Q 37/00** (2006.01)

CPC (source: EP)
B23P 21/004 (2013.01); **B23Q 1/015** (2013.01); **B23Q 7/1447** (2013.01); **B23Q 37/00** (2013.01)

Citation (search report)
See references of WO 02051582A1

Cited by
CN107081597A

Designated contracting state (EPC)
AT DE

DOCDB simple family (publication)
WO 02051582 A1 20020704; **WO 02051582 B1 20040304**; DE 10064523 A1 20020704; EP 1343610 A1 20030917

DOCDB simple family (application)
EP 0114814 W 20011214; DE 10064523 A 20001222; EP 01988028 A 20011214