

Title (en)  
DEVICE FOR MACHINING SURFACES

Title (de)  
VORRICHTUNG ZUR OBERFLÄCHENBEARBEITUNG

Title (fr)  
DISPOSITIF SERVANT À L'USINAGE DE SURFACE

Publication  
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Application  
**EP 16724583 A 20160425**

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Abstract (en)  
[origin: WO2016172751A1] The invention relates to a device (100) for machining a surface of a workpiece (200a). According to one embodiment, the device (100) comprises a frame (160) and a roller carrier (401), on which a first roller (101) is rotatably supported and which is supported on the frame (160) in such a way that the roller carrier can be moved in a first direction (x). The device (100) comprises at least a second roller (103), which is supported on the frame (160), and a belt (102), which is guided at least around the two rollers (101, 103) and because of the tension of which a resulting belt force (102) acts on the roller carrier (401). The device (100) also comprises an actuator (302), which is mechanically coupled to the frame (160) and the roller carrier (401) in such a way that an adjustable actuator force (FA) acts between the frame (160) and the first roller (101) in the first direction (x). The belt (102) is guided by means of the second roller (103), or by means of the second roller (103) and further rollers (101a, 101b, 121a, 121b, 105), in such a way that the resulting belt force (FB, FB') acting on the roller carrier (401) acts approximately in a second direction (y) orthogonal to the first direction (x) in the case of a target deflection of the actuator (302).

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