

Title (en)

CHANGING STATION AND METHOD FOR THE AUTOMATIC CHANGING OF ABRASIVES

Title (de)

WECHSELSTATION UND VERFAHREN ZUM AUTOMATISCHEN WECHSELN VON SCHLEIFMITTEL

Title (fr)

POSTE DE CHANGEMENT ET PROCÉDÉ POUR LE CHANGEMENT AUTOMATIQUE DE MOYENS DE MEULAGE

Publication

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Application

**EP 17715148 A 20170403**

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Abstract (en)

[origin: WO2017174512A1] The invention relates to a device for automatically dressing an abrasive disk from a robot-supported grinding device having a grinding machine. According to one embodiment, the device comprises a frame, a separating plate connected to the frame, and a support surface connected to the frame. The separating plate and the support surface are coupled to the frame in such a way that a relative movement is ensured along a first direction between the separating plate and the support surface. The separating plate and the support surface are arranged in such a manner that - when the abrasive disk rests on the support surface and when the separating plate and the abrasive disk move towards each other - a first edge of the separating plate is pushed over the abrasive disk. The invention further relates to a device for automatically fitting a grinding machine of a robot-supported grinding device with an abrasive disk. According to one embodiment, the device comprises a support for receiving a stack of abrasive disks and a frame. The frame is arranged substantially parallel to the support, so that the stack of abrasive disks is located between the support and the frame, wherein the frame only partially overlaps the outer edge of the uppermost abrasive disk of the stack. The device further comprises a mechanical prestressing unit which is coupled to the frame in such a manner that a defined force is exerted by the frame onto the stack of abrasive disks.

IPC 8 full level

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