

Title (en)

A wheel-holder flange for grinding cup wheels, with a quick-release system for the wheel

Title (de)

Radhalteflansch für Schleiftopfscheibenräder mit einem Schnellauslösesystem für das Rad

Title (fr)

Bride de maintien de roues pour meules boisseaux, avec système de déverrouillage rapide de la roue

Publication

**EP 2915630 A1 20150909 (EN)**

Application

**EP 15156979 A 20150227**

Priority

IT PD20140046 A 20140303

Abstract (en)

What is described is a wheel-holder flange for a cup wheel (2) of the type in which the wheel comprises a support (3) bearing the abrasive material and the support may be detachably locked on the flange so that it can be fixed in rotation with the flange about an axis of rotation (X) of the wheel. The flange comprises a first device (6) for locking the wheel support (3) on the wheel-holder flange by magnetic attraction, and a second device (7) for locking the wheel support (3) on the flange, in which the locking may take place by the action of the forces of a centrifugal nature generated by the rotation of the wheel, and in which the second locking device (7) comprises at least a pair of retaining blocks (10, 10') held in such a way as to be able to slide in a limited manner on the flange and able to be radially urged, by centrifugal action, to engage a recess (11) provided in the wheel support (3) so as to oppose relative movements between the flange and the wheel support, principally in the axial direction, during the rotary movement of the wheel (2).

IPC 8 full level

**B24B 45/00** (2006.01); **B24D 7/16** (2006.01)

CPC (source: EP)

**B24B 45/006** (2013.01); **B24D 7/16** (2013.01)

Citation (search report)

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- [A] DE 2904114 A1 19800814 - LOEFFLER MASCHBAU OHG

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