

Title (en)
DEBURRING DEVICE COMPRISING A DEBURRING DISK

Title (de)
ENTGRATVORRICHTUNG MIT ENTGRATSCHIEBE

Title (fr)
SYSTEME D'EBAVURAGE EQUIPE D'UN DISQUE D'EBAVURAGE

Publication
EP 1660264 A1 20060531 (DE)

Application
EP 04766671 A 20040901

Priority
• EP 2004051991 W 20040901
• DE 10340468 A 20030903

Abstract (en)
[origin: WO2005023476A1] The invention relates to a deburring device comprising a rotationally driven machining wheel (3) and a deburring disk (7, 13, 14) sweeping over the edge of the face (6, 6') of said machining wheel (3) with a cutting edge (10). Said deburring disk can be advanced radially towards the machining wheel (3) and rotates about an axis (8) parallel to the axis of the machining wheel (3). The deburring disk (7, 13, 14) is impinged upon by a force in the axial direction. When advanced towards the machining wheel (3), it is turned off in the axial direction against the applied force as a control flange (11) slides off the wheel edge (R) of the machining wheel (3). The invention is characterized in that the control flange (11) continuously extends across the entire circumference of the deburring disk (7, 13, 14), forms an angle alpha with the axis (8) and is limited by the cutting edge (10).

IPC 1-7
B23F 19/10

IPC 8 full level
B23F 19/10 (2006.01)

CPC (source: EP)
B23F 19/10 (2013.01)

Citation (search report)
See references of WO 2005023476A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005023476 A1 20050317; DE 10340468 A1 20050421; EP 1660264 A1 20060531

DOCDB simple family (application)
EP 2004051991 W 20040901; DE 10340468 A 20030903; EP 04766671 A 20040901