

Title (en)

ARBORS AND FASTENERS TO AFFORD TWO FORMS OF EASY/QUICK CHANGE MOUNTING FOR ABRASIVE DISCS

Title (de)

ACHSEN UND HALTERUNGEN ZUR ERMÖGLICHUNG ZWEIER ARTEN VON LEICHTER/SCHNELLER WECHSELMONTAGE FÜR SCHLEIFSCHEIBEN

Title (fr)

ARBRES ET DISPOSITIFS DE FIXATION POUR PERMETTRE DEUX FORMES DE MONTAGE DE DISQUES ABRASIFS A CHANGEMENT SIMPLE/RAPIDE

Publication

**EP 1601495 A2 20051207 (EN)**

Application

**EP 04700360 A 20040106**

Priority

- US 2004000149 W 20040106
- US 43824903 P 20030106

Abstract (en)

[origin: WO2004062846A2] An attachment structure for a coated abrasive finishing article such as a disc having a central aperture formed therein. The attachment structure may be in a form to be reused indefinitely and in such form includes a nut having a flange engaging the abrasive particles on the disc and a body extending through the central aperture and terminating in an externally threaded shank adapted to be received by the female threads on a drive member. The apparatus may also be in a form to be disposable along with the spent disc. In such form, the apparatus includes a similar nut formed of plastic material which is secured in place on the abrasive disc by a retention member such a washer which is secured to the body of the nut by an interference fit on the side of the disc opposite the abrasive particles.

IPC 1-7

**B24B 1/00**; **B24D 17/00**

IPC 8 full level

**B24D 99/00** (2010.01); **B24B 45/00** (2006.01)

CPC (source: EP US)

**B24B 45/006** (2013.01 - EP US); **B24D 9/085** (2013.01 - EP US)

Citation (search report)

See references of WO 2004062846A2

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 PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004062846 A2 20040729**; **WO 2004062846 A3 20050217**; CA 2511068 A1 20040729; EP 1601495 A2 20051207; US 2007141970 A1 20070621

DOCDB simple family (application)

**US 2004000149 W 20040106**; CA 2511068 A 20040106; EP 04700360 A 20040106; US 53837304 A 20040106