

Title (en)  
CLAMPING DEVICE FOR GRINDING DISCS

Title (de)  
SPANNEINRICHTUNG FÜR SCHLEIFSCHEIBEN

Title (fr)  
DISPOSITIF DE SERRAGE POUR DISQUES ABRASIFS

Publication  
**EP 1049565 A1 20001108 (DE)**

Application  
**EP 99971754 A 19991108**

Priority  
• AT 9900269 W 19991108  
• AT 186598 A 19981110

Abstract (en)  
[origin: WO0027590A1] The invention relates to a clamping device for grinding discs (3, 4) comprising clamping elements which are formed by a clamping flange (1) and a clamping nut (2). A rigid, preferably metallic intermediate ring (5) is arranged between a clamping element and the grinding disc (3, 4). Said intermediate ring distances the grinding disc (3, 4) from the clamping element. The intermediate ring (5) or the clamping element adjacent to the intermediate ring (5) is provided with a fixed damping layer (9, 12, 14, 20) made of an elastic material. Said layer extends in both a radial and an axial direction.

IPC 1-7  
**B24B 45/00**; **F16D 3/74**; **B24D 5/16**; **B24D 7/16**; **B23D 47/00**

IPC 8 full level  
**B23D 47/00** (2006.01); **B24B 45/00** (2006.01); **B24D 5/16** (2006.01); **B24D 7/16** (2006.01); **B27B 5/32** (2006.01); **F16D 3/74** (2006.01)

CPC (source: EP US)  
**B24B 45/00** (2013.01 - EP US); **B24D 5/16** (2013.01 - EP US); **B24D 7/16** (2013.01 - EP US)

Citation (search report)  
See references of WO 0027590A1

Cited by  
WO2020249205A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0027590 A1 20000518**; AT 409469 B 20020826; AT A186598 A 20020115; AT E211043 T1 20020115; CA 2331797 A1 20000518; CA 2331797 C 20061017; DE 59900586 D1 20020131; DK 1049565 T3 20020415; EP 1049565 A1 20001108; EP 1049565 B1 20011219; ES 2165740 T3 20020316; US 6454639 B1 20020924

DOCDB simple family (application)  
**AT 9900269 W 19991108**; AT 186598 A 19981110; AT 99971754 T 19991108; CA 2331797 A 19991108; DE 59900586 T 19991108; DK 99971754 T 19991108; EP 99971754 A 19991108; ES 99971754 T 19991108; US 70008300 A 20001109