

Title (en)  
GRINDING OR POLISHING DISC

Publication  
**EP 0319643 A3 19900926 (DE)**

Application  
**EP 88108093 A 19880520**

Priority  
DE 8716321 U 19871210

Abstract (en)  
[origin: EP0319643A2] A grinding or polishing disc consisting of a backing disc with attachable grinding or polishing fabric. The grinding or polishing disc can be clamped by means of a shaft piece in a drive chuck, in particular of a portable drill or power tool, in which arrangement strengthening of the shaft is to be further stabilised even at high speed with large grinding forces and in addition the use of the grinder with a smaller grinding surface is also to be made possible. This is done by the counter-screw above the backing disc being designed as an arched cover while leaving the margin of the backing disc clear, which cover, when the end flange bears on the underside against the backing disc, can be counter-screwed on the inside on the screw thread on the shaft end and thus bears on the outside against the backing disc by means of the cover margin in such a way that strengthening of the shaft is obtained when a nut is counter-screwed from the rigid shaft piece on the cover centre opening overlapping the flexible shaft piece. <IMAGE>

IPC 1-7  
**B24D 9/08**; **B24D 7/16**

IPC 8 full level  
**B24B 29/00** (2006.01); **B24B 45/00** (2006.01); **B24D 7/16** (2006.01); **B24D 9/08** (2006.01); **B24D 13/14** (2006.01)

CPC (source: EP US)  
**B24D 7/16** (2013.01 - EP US); **B24D 9/08** (2013.01 - EP US)

Citation (search report)

- [X] DE 8624852 U1 19870813
- [X] FR 1128027 A 19570102
- [A] US 3345785 A 19671010 - RIKER WARREN N
- [A] DE 2930740 A1 19810212 - FABRITIUS HANS JOSEF

Cited by  
FR2726497A1; CN110355701A; DE19500084A1; DE102016005180A1; DE202016002764U1; WO9620812A1

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