

Title (en)
ROTARY POWER TOOLS

Publication
EP 0244203 A3 19890712 (EN)

Application
EP 87303751 A 19870428

Priority
GB 8610431 A 19860429

Abstract (en)
[origin: EP0244203A2] A bevel gear 15 secured on a spindle 16 is driven in rotation by a motor. On the spindle is disposed a grinding disc held by a retaining nut and the bevel gear is formed with two recesses 21 into which a plunger can be depressed. A barrier plate 27 is disposed about the spindle and is capable of a degree of lost motion with respect thereto, the plate 27 also having two slots 29 through which the plunger can extend. The leading edges 31 of the slots are raised so that depression of the plunger during use of the tool causes the plunger to engage the edges 31 thereby causing the plate to take up said lost motion and cover up the recesses 21 to prevent the plunger from engaging therein. Sudden stopping of the spindle and its dangerous consequences are thus avoided.

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B24B 45/00; **B24B 23/02**

IPC 8 full level
B24B 23/02 (2006.01); **B24B 45/00** (2006.01)

CPC (source: EP)
B24B 23/022 (2013.01); **B24B 45/006** (2013.01)

Citation (search report)

- [X] DE 3120899 A1 19821216 - LICENTIA GMBH [DE]
- [X] DE 3120871 A1 19821223 - LICENTIA GMBH [DE]
- [A] EP 0129348 A2 19841227 - BLACK & DECKER INC [US]
- [X] DE 3234254 A1 19830407 - MILWAUKEE ELECTRIC TOOL CORP [US]
- [X] US 3872951 A 19750325 - HASTINGS JR CHARLES RUSSELL
- [A] DE 3018775 A1 19811126 - LICENTIA GMBH [DE]
- [A] DE 3001907 A1 19810723 - LICENTIA GMBH [DE]
- [A] DE 2926469 A1 19810122 - LICENTIA GMBH

Cited by
CN109909831A; EP0982103A1; CN103862338A; GB2322324A; GB2322324B; GB2331945A; GB2331945B; CN1103658C; US6213695B1; US6244798B1; WO9824589A1; US7988538B2; US8388417B2; US10792834B2; US11407142B2; WO2012083749A1; WO2009033849A1

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