

Title (en)
ECCENTRIC SANDER EQUIPPED WITH A DEVICE FOR MODIFYING THE SANDING MOVEMENT

Publication
EP 0237854 A3 19880720 (DE)

Application
EP 87102850 A 19870227

Priority
DE 3609441 A 19860320

Abstract (en)
[origin: US4759152A] An eccentric grinder includes a motor-driven shaft, an eccentric drive connected to the shaft to impart to a grinding disc one mode of grinding motion and a rolling drive including friction or toothed crowns on the grinding disc and the housing cooperating with each other to impart to the grinding disc another mode of grinding motion. The grinder is provided with a ring carrying two toothed crowns at the opposite edges thereof and releasably insertable into a recess formed in a ring-shaped element fixed to the housing of the grinder so that one mode of grinding can be easily changed to the other mode of grinding.

IPC 1-7
B24B 23/03

IPC 8 full level
B24B 23/03 (2006.01)

CPC (source: EP US)
B24B 23/03 (2013.01 - EP US)

Citation (search report)

- [A] US 3482362 A 19691209 - BANGERTER KENNETH R, et al
- [A] US 2794303 A 19570604 - WICKES DAVID R
- [A] FR 2529497 A1 19840106 - BLACK & DECKER INC [US]
- [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 22 (M-54)[694], 10. Februar 1981; & JP-A-55 150 964 (KINICHI TAKEUCHI) 25-11-1980
- [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 80 (M-70)[752], 26. Mai 1981; & JP-A-56 27 773 (URIU SEISAKU K.K.) 18-03-1981
- [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 297 (M-432)[2020], 25. November 1985; & JP-A-60 135 171 (KONPAKUTO TSUURU K.K.) 18-07-1985

Cited by
EP0320599A1; ITTV20110026A1; WO2016008631A1; WO2020212552A1

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