

Title (en)  
ECCENTRIC GRINDER

Publication  
**EP 0341242 B1 19910710 (DE)**

Application  
**EP 87907579 A 19871121**

Priority  
DE 3642741 A 19861213

Abstract (en)  
[origin: WO8804218A1] An axially compact eccentric grinder is provided with a rotatably-driven eccentric (15) and grinding plate (16) rotatably supported in said eccentric (15), said plate being movable in rotation around its rotation axis in one or other direction by means of live rings (26, 27) rigidly linked with the grinding plate (16) and rolling rings (30, 31) arranged on the grinding housing (10). The choice of rotation direction is determined by a manual switching system (38). For this, the rolling rings (30, 31) are held in a rotatably movable manner on the grinding housing (10) and are in permanent mesh with the live rings (25, 26) fixed to the grinding plate (16). By means of the switching system (38) one of the rolling rings (30, 31) can be non-rotatably secured as desired on the grinding housing (10), whereby a rolling movement of the grinding disc (16) is produced on the relevant secured rolling ring (30, 31) or both rolling rings (30, 31) are released for free rotary movement.

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IPC 8 full level  
**B24B 23/02** (2006.01); **B24B 23/03** (2006.01)

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

Citation (examination)  
• Patent Abstracts of Japan, vol. 5, no 22 (M-54)(694), 10 February 1981, & JP,A,55150964 (KINICHI TAKEUCHI) 25 November 1980  
• Patent Abstracts of Japan, vol 5, no 80 (M-70)(752), 26 May 1981, & JP,A,5627773 ( URIU SEISAKU K.K.) 18 March 1981  
• Patent Abstracts of Japan, vol 9, no 297 (M-432)(2020), 25 November 1985 & JP,A,60135171 (KONPAKUTO TSUURU K.K.) 18 July 1985

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