

Title (en)

Emery wheel grinding machine with adjustable drill bit chuck

Title (de)

Schmirkelscheibenschleifmaschine mit verstellbarem Bohrfutter

Title (fr)

Machine de meulage au disque émeri avec porte-foret ajustable

Publication

EP 2006052 A1 20081224 (EN)

Application

EP 07110744 A 20070621

Priority

EP 07110744 A 20070621

Abstract (en)

The emery wheel grinding machine with adjustable drill bit chuck disclosed herein has an adjustable chuck in which is provided with a T-bushing having an outer flange formed at one end thereof. The outer flange is provided with several pairs of stop traps along its circumference, whereas the number of stop traps are determined according to number of cutter blades to be shaved. Several stop pins are formed on the surface of the outer flange to control the turning angle of the drill bit or the cutter. The T-bushing further has a taper hole in it. When the chuck head which holds the drill bit or the cutter is inserted into the taper hole, the cutter blade can be in contact with the emery wheel with a certain tilted angle thereby allowing the cutter blades of various length and number to be effectively shaved, ground and finished.

IPC 8 full level

B24B 3/24 (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP)

B24B 3/247 (2013.01); **B24B 41/066** (2013.01)

Citation (search report)

- [A] US 6652367 B1 20031125 - LIN CHENG-FU [TW]
- [A] FR 1020523 A 19530206
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- [A] US 3039244 A 19620619 - VICKERMAN WYNN S

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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