

Title (en)

Process for finishing the surface of revolution of shafts

Title (de)

Verfahren zur Finishbearbeitung von Umfangsflächen an wellenförmigen Werkstücken

Title (fr)

Procédé pour l'usinage de finition de la surface de révolution d'arbres

Publication

EP 1514643 B1 20070502 (DE)

Application

EP 04020484 A 20040828

Priority

DE 10342139 A 20030912

Abstract (en)

[origin: EP1514643A1] The machine has a tool carrier (1) with a drive roller (4) and a dancer roller system (5) to tension the grinding band (2) and backing or support band (11). The band passes over two fixed guide rollers on either side of the workpiece (3). The workpiece may be a shaft with a generally cylindrical outer surface and a regular array of recesses (13). Small guide rollers (7) are mounted on pivoted curved arms (16) which can be swung to partially enclose the workpiece and provide a wide arc of engagement (beta).

IPC 8 full level

B24B 21/02 (2006.01); **B24B 35/00** (2006.01)

CPC (source: EP)

B24B 21/02 (2013.01)

Cited by

DE102011081918A1; WO2012065949A1; CN108818238A; CN115056098A; CN111673590A; CN106457505A; US2017151645A1; US9744639B2; WO2013030194A1; DE102010052311A1

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