

Title (en)
PROCESS AND DEVICE FOR GRINDING MOULDING BLANKS TO SIZE

Publication
EP 0274497 B1 19910403 (DE)

Application
EP 87904379 A 19870717

Priority
CH 291286 A 19860721

Abstract (en)
[origin: WO8800512A1] For grinding directly between tips a moulding blank (18) that must be ground to size at one or several of its cylindrical or conical areas (3, 4) as well as at one of its ends (10) without having to shift it, a U-shaped back rest (23) is used to offset the hollow tip (28) of the tailstock (27) in the direction of the tool headstock (25). The hollow tip (28) is also totally hollowed out and shaped as a lunette, so that part of the moulding blank (18) can pass through it. This part (4; 10) stands then isolated between the tool headstock (25) and the tailstock (27), where it can be shaped by a grinding wheel (29) that can be moved even beyond the intermediate axis (d) of the tip. A shift of the moulding blank (18) can thus be avoided, and it becomes possible to grind the latter to size after a single clamping between tips.

IPC 1-7
B24B 5/01; **B24B 41/06**

IPC 8 full level
B24B 5/01 (2006.01); **B24B 41/06** (2006.01)

CPC (source: EP US)
B24B 5/01 (2013.01 - EP US); **B24B 41/065** (2013.01 - EP US)

Cited by
DE102010004341A1; DE102010004341B4

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8800512 A1 19880128; CH 670788 A5 19890714; EP 0274497 A1 19880720; EP 0274497 B1 19910403; JP H01500980 A 19890406; US 4827673 A 19890509

DOCDB simple family (application)
CH 8700088 W 19870717; CH 291286 A 19860721; EP 87904379 A 19870717; JP 50402687 A 19870717; US 18011288 A 19880317