

Title (en)

PROCESS FOR PRECISION GRINDING TWO COOPERATING TRUNCATED-CONE SURFACES, APPARATUS FOR CARRYING OUT THIS PROCESS, USE OF THIS APPARATUS AND PRECISION GROUND ARTICLE RESULTING UPON THE APPLICATION OF THIS PROCESS

Publication

EP 0035301 B1 19840516 (FR)

Application

EP 81200198 A 19810220

Priority

CH 158080 A 19800227

Abstract (en)

[origin: US4386483A] Two grinding-wheel spindles bearing grinding wheels are mounted on a table which undergoes an angular displacement for simultaneously grinding convergent internal and external conical surfaces of a workpiece, on the one hand, and for truing the grinding wheels by means of truing tools, on the other hand. The truing tools are so positioned that the grinding faces of the wheels are trued in a manner whereby the workpiece surfaces are then automatically ground with extreme precision and the exact desired diameter of the circular edge formed at the junction of the convergent surfaces is obtained.

IPC 1-7

B24B 5/14

IPC 8 full level

B24B 5/14 (2006.01)

CPC (source: EP US)

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Citation (examination)

- GB 822437 A 19591028 - NORDBERG MANUFACTURING CO
- FR 1436769 A 19660429
- DE 2711613 A1 19780921 - REINECKER MASCH KG J E
- US 2440148 A 19480420 - MADISON ARTHUR F
- US 2534531 A 19501219 - WOLFGANG ROSSMANITH
- US 2442683 A 19480601 - GREEN GLENN M
- CH 284532 A 19520731 - HENRI HAUSER S A [CH]

Cited by

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DOCDB simple family (publication)

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