

Title (en)

A PUNCHING APPARATUS, PARTICULARLY FOR PUNCHING LABELS AND SIMILAR PRINTED MATTER ITEMS

Publication

EP 0085057 B1 19850918 (EN)

Application

EP 82901962 A 19820614

Priority

DK 307181 A 19810710

Abstract (en)

[origin: WO8300112A1] A punching apparatus for punching items having curved or arched edges from sheet material, particularly labels and similar printed matter items, comprises a punching die in the form of a mainly tubular member (6) manufactured from a sintered carbide alloy and having an internal cavity in which at least the wall surfaces (8) at the cutting edge are ground to smoothness, preferably to a surface roughness $R_a < 0.1 \mu\text{m}$, and are perpendicular to the plane of the cutting edge, whereas grinding of the cutting edge (97) into a prescribed sharpness and cutting angle is performed solely on the external side of the tubular member (6). As a result thereof the intervals between necessary re-grindings of the cutting edge (7) are prolonged and an unlimited number of re-grindings may be made in practice with full retention of the accuracy of measurement of the cutting edge.

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IPC 8 full level

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CPC (source: EP)

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