

Title (en)
PRODUCTION OF AN EMBOSSING TOOL AND USE OF THE SAME

Title (de)
HERSTELLUNG EINES PRÄGEWERKZEUGS UND DESSEN ANWENDUNG

Title (fr)
FABRICATION D'UN OUTIL D'ESTAMPAGE ET UTILISATION DUDIT OUTIL

Publication
EP 1268864 A1 20030102 (DE)

Application
EP 01911329 A 20010321

Priority

- EP 01911329 A 20010321
- CH 0100180 W 20010321
- EP 00810237 A 20000321

Abstract (en)
[origin: EP1136574A1] Production of an embossing tool comprises forming a central zone containing carbides by thermally melting the tool surface and simultaneously forming a remelting zone having a lower hardness than the central zone running coaxially to the central zone and a further outer conversion zone surrounding the remelting zone. Production of an embossing tool comprises forming a central zone containing carbides by thermally melting the tool surface and simultaneously forming a remelting zone having a lower hardness than the central zone running coaxially to the central zone and a further outer conversion zone surrounding the remelting zone. The conversion zone has a lower hardness than the remelting zone and the tool surface. The thermal energy is adjusted so that the topography of the tool remains unchanged in the micro-region. An Independent claim is also included for a lubricating bore relief in workpiece surfaces.

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C21D 9/38; B21B 27/00

IPC 8 full level
B21B 27/00 (2006.01); **C21D 1/09** (2006.01); **C21D 9/38** (2006.01); **B21B 1/22** (2006.01); **B23K 35/32** (2006.01)

CPC (source: EP)
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