

Title (en)

Modifying surfaces of workpieces and forming tools

Title (de)

Bearbeitung der Oberfläche von Werkstücken sowie Umformwerkzeugen

Title (fr)

Usinage de la surface de pièces et d' outils de formage

Publication

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Application

EP 04405604 A 20040920

Priority

EP 04405604 A 20040920

Abstract (en)

The invention relates to a forming tool (10), a method of modifying the surface of a workpiece wherein at least one surface of the workpiece comes into contact with the structured surface (14) of a forming tool (10) at least once and a method of structuring the outer surface of a forming tool (10). The invention is a forming tool (10) characterised in that it comprises a substrate (11) and a metallic glass layer (13) on at least the working face (12) of the forming tool (10) and the metallic glass layer (13) possesses a structured surface (14) for the purpose of reproducing the structured surface (14) of the metallic glass layer (13) in the surface of a workpiece. A tool (10) according to the invention may be used in the production of sheet and shaped parts for automotive use, the production of lithographic sheet, the production of coins and badges and the production of reflector sheet.

IPC 8 full level

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Citation (search report)

- [A] US 2002018908 A1 20020214 - SMITH TROY G [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01 29 January 1999 (1999-01-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 031 (M - 192) 8 February 1983 (1983-02-08)

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