

Title (en)
MODIFYING SURFACES OF WORK-PIECES AND FORMING TOOLS

Title (de)
MODIFIKATIONSFLÄCHEN VON WERKSTÜCKEN UND FORMWERKZEUG

Title (fr)
MODIFICATION DE SURFACES DE PIECES A USINER ET OUTILS DE FORMAGE

Publication
EP 1796860 A1 20070620 (EN)

Application
EP 05785271 A 20050908

Priority

- EP 2005009630 W 20050908
- EP 04405604 A 20040920
- EP 05785271 A 20050908

Abstract (en)
[origin: EP1637247A1] 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
B21D 13/02 (2006.01); **B21D 13/04** (2006.01); **B21D 22/02** (2006.01); **B21D 37/20** (2006.01); **C22C 45/02** (2006.01)

CPC (source: EP)
B21D 13/02 (2013.01); **B21D 13/04** (2013.01); **B21D 22/02** (2013.01); **B21D 37/20** (2013.01); **C22C 45/00** (2013.01)

Citation (search report)
See references of WO 2006032369A1

Designated contracting state (EPC)
AT BE CH DE FR HU IT LI

DOCDB simple family (publication)
EP 1637247 A1 20060322; AT E403503 T1 20080815; DE 602005008753 D1 20080918; EP 1796860 A1 20070620; EP 1796860 B1 20080806; WO 2006032369 A1 20060330

DOCDB simple family (application)
EP 04405604 A 20040920; AT 05785271 T 20050908; DE 602005008753 T 20050908; EP 05785271 A 20050908; EP 2005009630 W 20050908