

Title (en)

Method of forming tool marking structure

Title (de)

Verfahren zur Herstellung einer Werkzeugmarkierungsstruktur

Title (fr)

Procédé de formation de structure de marquage d'outil

Publication

EP 2724818 A1 20140430 (EN)

Application

EP 13170388 A 20130604

Priority

- TW 101139702 A 20121026
- TW 102115274 A 20130429

Abstract (en)

A method of forming a tool marking structure includes: a coloring step of coloring a predetermined position of the first protective layer (41) so as to form a marking area (42) with a color layer and forming the first protective layer (41) on a bottom surface of the marking area (42), and a second-time surface processing step of forming a second protective layer (43) on a non-marking area of the tool (40).

IPC 8 full level

B25B 13/00 (2006.01); **C25D 5/02** (2006.01); **C25D 5/10** (2006.01); **C25D 5/48** (2006.01)

CPC (source: EP US)

B25B 13/06 (2013.01 - EP); **C25D 5/022** (2013.01 - EP); **C25D 5/10** (2013.01 - EP US); **C25D 5/12** (2013.01 - EP US); **C25D 5/48** (2013.01 - EP US)

Citation (search report)

- [X] GB 1461446 A 19770113 - LICENTIA GMBH
- [X] EP 2048265 A1 20090415 - HDO DRUCKGUSS UND OBERFLAECHE [DE]
- [Y] EP 1947218 A1 20080723 - JIN XIANG KAI INDUSTRY CO LTD [TW]
- [Y] JP 2010001537 A 20100107 - HO E SCREW & HARDWARE CO LTD
- [Y] US 6787248 B1 20040907 - LIU WEN-CHIH [TW]
- [E] US 2013167690 A1 20130704 - LIN DA-SEN [TW]

Cited by

CN111185719A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2724818 A1 20140430; AU 2013206587 A 20140515; CA 2817546 A1 20140426; JP 2014084527 A 20140512; RU 2013136456 A 20150210; TW 201417067 A 20140501; TW I489428 B 20150621

DOCDB simple family (application)

EP 13170388 A 20130604; AU 2013206587 A 20130628; CA 2817546 A 20130515; JP 2013111260 A 20130527; RU 2013136456 A 20130802; TW 102115274 A 20130429