

Title (en)
Method of manufacturing an angle-type screwdriver

Title (de)
Verfahren zur Herstellung eines Winkelschraubers

Title (fr)
Procédé de fabrication d'un tournevis à tête angulaire

Publication
EP 1516701 A1 20050323 (DE)

Application
EP 04018054 A 20040729

Priority
DE 10344164 A 20030922

Abstract (en)
Angular manual machine comprises an angular head (201) enclosed with plastic in a handle region. The shape, surface and material of the plastic casing (202) are structured so that a secure second integral handle is produced.

Abstract (de)
Ausformung der Gehäusegeometrie eines Winkelgetriebes für Handarbeitsmaschinen zu einem integralen Handgriff mittels einer Kunststoffumhüllung. <IMAGE>

IPC 1-7
B25F 5/02; **B25G 1/10**; **B24B 23/02**; **B23B 45/00**

IPC 8 full level
B24B 23/02 (2006.01); **B25F 5/00** (2006.01)

CPC (source: EP US)
B24B 23/028 (2013.01 - EP US); **B25F 5/006** (2013.01 - EP US)

Citation (search report)

- [X] DE 19617477 A1 19971106 - BOSCH GMBH ROBERT [DE]
- [A] US 6248007 B1 20010619 - DEBLOIS BRYAN P [US], et al
- [A] EP 0387410 A1 19900919 - SNAP ON TOOLS CORP [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1516701 A1 20050323; **EP 1516701 B1 20071010**; AT E375230 T1 20071015; DE 10344164 A1 20050428; DE 502004005184 D1 20071122; ES 2301905 T3 20080701; US 2005061523 A1 20050324

DOCDB simple family (application)
EP 04018054 A 20040729; AT 04018054 T 20040729; DE 10344164 A 20030922; DE 502004005184 T 20040729; ES 04018054 T 20040729; US 94507004 A 20040920