

Title (en)

Method for manufacturing semi-finished products adapted to form levers, particularly for sports shoes

Title (de)

Verfahren zum Herstellen von halbfertigen Produkten angepasst zur Bildung von Hebeln, insbesondere für Sportschuhe

Title (fr)

Procédé de fabrication de produits semi-finis adaptés pour former des leviers, en particulier pour chaussures de ski

Publication

**EP 2147609 B1 20161221 (EN)**

Application

**EP 09162766 A 20090616**

Priority

IT TV20080097 A 20080725

Abstract (en)

[origin: EP2147609A1] A method for providing semi-finished products adapted to form levers (1), particularly for sports shoes, comprising a step of flattening and/or coining one or more parts of a tube or rod or bar made of metal is comprised, followed by a blanking to obtain one or more holes (16a, 16b) and/or slots. It is then possible to perform a step of shaping the tube or rod or bar until it is given a substantially U-shaped configuration. A lever component (1), particularly for sports shoes, is thus obtained which is constituted by a tube or rod or bar made of metal that is flattened and/or coined and/or blanked and contoured so as to obtain a tensioning lever arm (2), which is associated with a first flap to be joined and can be actuated by the user, and/or a ring or bridge (10) that interacts with a rack or hook (13) associated with a second flap to be joined.

IPC 8 full level

**A43C 11/14** (2006.01); **B21D 7/00** (2006.01); **B21D 35/00** (2006.01); **B21D 53/36** (2006.01)

CPC (source: EP)

**A43C 11/142** (2013.01); **B21D 53/36** (2013.01)

Citation (examination)

IT PN20050009 A1 20060811 - TECNOLOGICA S P A

Cited by

ITTV20130007A1; EP3015014A1; CN102139313A; ITPN20110074A1; EP2591695A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**EP 2147609 A1 20100127**; **EP 2147609 B1 20161221**; IT 1390619 B1 20110909; IT TV20080097 A1 20100126

DOCDB simple family (application)

**EP 09162766 A 20090616**; IT TV20080097 A 20080725