

Title (en)  
METHOD FOR PRODUCING A TORSION PROFILE FROM A PLATE, AND TORSION PROFILE

Title (de)  
VERFAHREN ZUM HERSTELLEN EINES TORSIONSPROFILS AUS EINER PLATINE SOWIE TORSIONSPROFIL

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN PROFIL DE TORSION À PARTIR D'UNE PLATINE ET PROFIL DE TORSION

Publication  
**EP 2977119 A3 20160525 (DE)**

Application  
**EP 15176230 A 20150710**

Priority  
DE 102014109680 A 20140710

Abstract (en)  
[origin: US2016008863A1] The invention relates to a method for producing a torsional profile from a blank. The torsional profile has torsionally rigid tubular end sections, a torsionally flexible U-shaped middle longitudinal section and, between the middle longitudinal section and the end sections, transition sections which change from the U-shaped cross section to the tubular cross section.

IPC 8 full level  
**B21D 22/02** (2006.01); **B21D 53/88** (2006.01)

CPC (source: EP US)  
**B21D 7/00** (2013.01 - US); **B21D 22/025** (2013.01 - EP US); **B21D 53/88** (2013.01 - EP US)

Citation (search report)  
• [XY] EP 1228906 A2 20020807 - BENTELEER AUTOMOBILTECHNIK GMBH [DE]  
• [YDA] DE 102009031981 A1 20100826 - BENTELEER AUTOMOBILTECHNIK GMBH [DE]  
• [X] DE 10139661 C1 20030213 - LINDE & PULLMAN AG ZUERICH [CH]

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 2977119 A2 20160127**; **EP 2977119 A3 20160525**; **EP 2977119 B1 20210623**; CN 105251842 A 20160120; CN 105251842 B 20180323; DE 102014109680 A1 20160114; ES 2882094 T3 20211201; US 2016008863 A1 20160114; US 9802235 B2 20171031

DOCDB simple family (application)  
**EP 15176230 A 20150710**; CN 201510404193 A 20150710; DE 102014109680 A 20140710; ES 15176230 T 20150710; US 201514794627 A 20150708