

Title (en)

Cold rolling process for the production of a profile

Title (de)

Kaltwalzverfahren zur Herstellung eines Profils

Title (fr)

Procédé de profilage à froid pour la production d'un profilé

Publication

EP 2085163 A1 20090805 (DE)

Application

EP 09100040 A 20090114

Priority

DE 102008000219 A 20080201

Abstract (en)

The method involves bending a raw material (6) i.e. one-piece rolling stock, by attaching a bent section (8) that runs along a rolling direction. The raw material is transformed into width direction of the raw material by section-wise thickness reduction of the raw material. The transformation of the raw material is performed after bending of the raw material or both bending and transformation of the raw material takes place at same time. The raw material is bent gradually from one roller to another roller (36).

Abstract (de)

Ein Kaltwalzverfahren zur Herstellung eines Profils aus einem einstückigen Walzgut als Ausgangsmaterial (6) mittels der Umformung dienenden Umformbereichen (38) von Walzen (36) umfasst die Verfahrensschritte: - Biegen des Ausgangsmaterials (6) unter Anbringen zumindest eines entlang der Walzrichtung verlaufenden abgebogenen Abschnitts (8), und - Umformen des Ausgangsmaterials (6) in Breitenrichtung des Ausgangsmaterials (6) unter bereichsweiser Dickenreduzierung des Ausgangsmaterials (6).

IPC 8 full level

B21D 5/08 (2006.01); **B21B 1/095** (2006.01)

CPC (source: EP US)

B21D 5/08 (2013.01 - EP US); **B21D 35/006** (2013.01 - EP US)

Citation (applicant)

- EP 0259479 B1 19930421
- US 3209432 A 19651005 - CAPE THOMAS H

Citation (search report)

- [XP] DE 102007051354 A1 20081009 - WELSER PROFILE AG [AT]
- [X] EP 1847334 A1 20071024 - HILTI AG [LI]
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- [X] DE 3343709 A1 19840620 - NISSAN MOTOR [JP]
- [A] JP S6127103 A 19860206 - NAIGAI SEIKOSHO KK
- [A] DE 10113610 A1 20021002 - KOPP REINER [DE]
- [AD] EP 0259479 A1 19880316 - DONN INC [US]

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CN105880280A; CN109944436A; CN114749482A; US10486221B2; WO2017067537A1; EP2548666A1; DE102011079095A1; US9199289B2

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2085163 A1 20090805; **EP 2085163 B1 20131002**; CA 2652262 A1 20090801; CA 2652262 C 20160112; DE 102008000219 A1 20090806; DK 2085163 T3 20140113; ES 2433572 T3 20131211; US 2009205390 A1 20090820; US 8485012 B2 20130716

DOCDB simple family (application)

EP 09100040 A 20090114; CA 2652262 A 20090202; DE 102008000219 A 20080201; DK 09100040 T 20090114; ES 09100040 T 20090114; US 32236509 A 20090130