

Title (en)

METHOD AND DEVICE FOR BENDING PROFILES WITH A VARIABLE CROSS-SECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BIEGEN VON PROFILEN MIT VARIABLEM QUERSCHNITT

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CINTRAGE DE PROFILÉS À SECTION TRANSVERSALE VARIABLE

Publication

**EP 4117839 A1 20230118 (DE)**

Application

**EP 21712121 A 20210311**

Priority

- DE 102020106664 A 20200311
- EP 2021056245 W 20210311

Abstract (en)

[origin: WO2021180878A1] The invention relates to a method for bending profiles, in which the profiles have a profile web and profile legs which are in particular bent or chamfered and extend from lateral ends of the profile web, wherein the profile is bent or deformed parallel to and level with the profile web, and the height of the profile web between the profile legs varies over the length of the profile. The invention is characterised in that the profile is shaped by a roller arrangement having at least one support roller, a bending roller and a shaping roller successively in the movement direction, the support roller, the bending roller and the shaping roller abutting the profile or the profile legs at lateral edge regions, the profile being guided laterally in lateral end regions of the profile, and the bending radius of a profile (2) being adjustable by adjusting the distance, transversely to the movement direction of the profile (2), between the bending roller (4) and the shaping roller (5). The invention further relates to a device for carrying out the method.

IPC 8 full level

**B21D 7/08** (2006.01)

CPC (source: EP)

**B21D 7/08** (2013.01)

Citation (search report)

See references of WO 2021180878A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020106664 A1 20210916; DE 102020106664 B4 20211104;** EP 4117839 A1 20230118; WO 2021180878 A1 20210916

DOCDB simple family (application)

**DE 102020106664 A 20200311;** EP 2021056245 W 20210311; EP 21712121 A 20210311