

Title (en)

METHOD AND DEVICE BENDING HOLLOW METAL PROFILES, ESPECIALLY FRAME STRUCTURES FOR WINDOWS AND DOORS

Publication

EP 0115840 B1 19861210 (DE)

Application

EP 84100942 A 19840131

Priority

DE 3303631 A 19830203

Abstract (en)

[origin: EP0115840A1] 1. A method of bending hollow metal section members, more particularly for door and window frames, into semicircular arches, in which a sectional rod (11) is clamped against a bending core (2) placed on the faceplates (1) of a faceplate bending machine and determining the bending radius, after which the faceplates are rotated and externally acting bending rollers (13, 14) press against and guide the sectional rod (11) and place it against the bending core (12), characterised in that before the faceplates begin to rotate, a first bending roller (13) immediately adjacent the station and therefore near the actual bending region (12) is applied under slight pressure to the clamped sectional rod (11), and a second bending roller (14) outside the bending region is pressed against the as yet unbent portion of the rod entering the bending region and presses it out of alignment, the resulting prestressing moment on the sectional rod (11) being absorbed by a clamping device (5) disposed at the outlet side.

IPC 1-7

B21D 7/03

IPC 8 full level

B21D 7/024 (2006.01); **B21D 7/03** (2006.01)

CPC (source: EP)

B21D 7/024 (2013.01)

Cited by

DE4442030A1; DE4028633A1; CN108356099A; WO2022008326A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0115840 A1 19840815; EP 0115840 B1 19861210; AT E24131 T1 19861215; DE 3303631 A1 19840809; DE 3461602 D1 19870122

DOCDB simple family (application)

EP 84100942 A 19840131; AT 84100942 T 19840131; DE 3303631 A 19830203; DE 3461602 T 19840131