

Title (en)

Method of and installation for casting thin metallic products.

Title (de)

Verfahren und Vorrichtung zur Herstellung dünner metallischer Produkte.

Title (fr)

Procédé et installation de coulée de produits métalliques minces.

Publication

EP 0392952 A1 19901017 (FR)

Application

EP 90470010 A 19900320

Priority

FR 8904860 A 19890406

Abstract (en)

According to the method in accordance with the invention, for the continuous casting of thin metallic products, the molten metal is cast into an ingot mould whose walls define a casting space 7 of elongated transverse section and the thickness of the product emerging from the ingot mould is reduced, while the core thereof is still unsolidified, to the thickness desired for the said thin metallic product. According to the invention, the cast metal is caused to solidify on the surface in the ingot mould so that the solidified skin of the product emerging from the ingot mould forms, on each edge, a solidified wall of rounded transverse section containing the still unsolidified metal, and the reduction in thickness is effected so that the said rounded solidified wall progressively folds over on itself. In order to form the said wall of rounded section, the ends 9 of the said section of the casting space are rounded in a convex shape. <IMAGE>

IPC 1-7

B22D 11/12; **B22D 11/124**

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP)

B22D 11/0408 (2013.01); **B22D 11/1206** (2013.01)

Citation (search report)

- [A] DE 2042546 A1 19720302
- [A] US 3512574 A 19700519 - TAYLOR HAROLD L

Cited by

US5339887A; CN109702154A; EP0904873A1; CN1106238C; WO2018092090A1

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0392952 A1 19901017; FR 2645463 A1 19901012; FR 2645463 B1 19910531

DOCDB simple family (application)

EP 90470010 A 19900320; FR 8904860 A 19890406