

Title (en)

PROCESS AND DEVICE FOR PRODUCING THIN METAL BANDS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN VON DÜNNEN STAHLBÄNDERN

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION DE BANDES METALLIQUES MINCES

Publication

EP 0862661 B1 20020710 (DE)

Application

EP 96946165 A 19961119

Priority

- DE 9602279 W 19961119
- DE 19545259 A 19951124

Abstract (en)

[origin: DE19545259A1] A process is disclosed for producing thin metal bars, in particular steel bars. An elongated metal product is brought into contact with a molten metal and causes its crystallisation. The following steps are provided: an elongated metal product made of a material different from the molten metal is used, one of them being stainless steel; the temperature of the elongated metal product, the temperature of the molten metal and the dwelling time of the elongated metal product in the molten metal are set in such a way that the molten metal crystallises on the elongated metal product, forming a layer with a thickness $D = 20\%$ to 2% of the elongated metal product. Also disclosed is a device for producing thin metal bars.

IPC 1-7

C23C 2/00; **C23C 2/40**; **C23C 2/38**; **B21B 1/46**; **B22D 11/00**

IPC 8 full level

B21B 1/46 (2006.01); **B22D 11/00** (2006.01); **C23C 2/00** (2006.01); **C23C 2/38** (2006.01); **C23C 2/40** (2006.01); **B21B 1/22** (2006.01); **B21B 1/38** (2006.01); **B21B 3/02** (2006.01); **B21B 9/00** (2006.01); **B21B 39/18** (2006.01)

CPC (source: EP US)

B21B 1/463 (2013.01 - EP US); **B22D 11/008** (2013.01 - EP US); **C23C 2/0035** (2022.08 - EP US); **C23C 2/00361** (2022.08 - EP US); **C23C 2/0038** (2022.08 - EP US); **B21B 3/02** (2013.01 - EP US); **B21B 9/00** (2013.01 - EP US); **B21B 39/18** (2013.01 - EP US); **B21B 2001/228** (2013.01 - EP US); **B21B 2001/383** (2013.01 - EP US); **Y10T 428/12493** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6153028 A 20001128; AT E220428 T1 20020715; DE 19545259 A1 19970528; DE 59609435 D1 20020814; EP 0862661 A2 19980909; EP 0862661 B1 20020710; ES 2175188 T3 20021116; WO 9718914 A2 19970529; WO 9718914 A3 19970724; ZA 969830 B 19970623

DOCDB simple family (application)

US 24990599 A 19990212; AT 96946165 T 19961119; DE 19545259 A 19951124; DE 59609435 T 19961119; DE 9602279 W 19961119; EP 96946165 A 19961119; ES 96946165 T 19961119; ZA 969830 A 19961122