

Title (en)  
METHOD AND PLANT FOR THE MANUFACTURE OF SPECIAL STEEL BLANKS

Title (de)  
VERFAHREN UND ANLAGE ZUM HERSTELLEN VON EDELSTAHLROHLINGEN

Title (fr)  
PROCEDE ET INSTALLATION PERMETTANT DE REALISER DES EBAUCHES EN ACIER SPECIAL

Publication  
**EP 0708843 B1 19970326 (DE)**

Application  
**EP 94924719 A 19940706**

Priority  
• AT 137593 A 19930713  
• EP 9402215 W 19940706

Abstract (en)  
[origin: WO9502706A1] The invention concerns a method of manufacturing unfinished special steel blanks, in particular special-steel strip, the method comprising, as necessary, rolling and annealing of cast material and de-scaling, particularly by picking in an aqueous bath, and, in the case of strip, winding of the strip if necessary. In order to achieve greater flexibility with regard to the steel qualities which can be processed and the dimensions of the steel blanks which can be produced, the invention calls for the material to be processed in batches, preferably to be annealed, cooled and subsequently, without intermediate storage, de-scaled in batches. According to a method comprising the steps of casting, if necessary rolling of the cast material, cooling and de-scaling, in particular by pickling in an aqueous bath, and, if necessary, winding special-steel strip blanks on to a roller, to achieve the above-mentioned advantages, the invention calls for casting and subsequent de-scaling to be carried out in batches, de-scaling being carried out without intermediate storage. The invention further concerns plants for carrying out the method described.

IPC 1-7  
**C21D 8/02**; C23G 3/02; B21B 45/06

IPC 8 full level  
**B21B 3/02** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C23G 3/02** (2006.01); **B21B 1/22** (2006.01); **B21B 1/46** (2006.01); **B21B 15/00** (2006.01); **B21B 45/06** (2006.01); **C21D 9/52** (2006.01); **C21D 9/56** (2006.01)

CPC (source: EP KR US)  
**B21B 3/02** (2013.01 - EP US); **C21D 8/02** (2013.01 - KR); **C21D 8/0205** (2013.01 - EP US); **C23G 3/02** (2013.01 - EP US); **B21B 1/463** (2013.01 - EP US); **B21B 1/466** (2013.01 - EP US); **B21B 15/00** (2013.01 - EP US); **B21B 45/06** (2013.01 - EP US); **B21B 2001/228** (2013.01 - EP US); **C21D 9/52** (2013.01 - EP US); **C21D 9/56** (2013.01 - EP US)

Cited by  
CN107838193A

Designated contracting state (EPC)  
DE ES FR SE

DOCDB simple family (publication)  
**WO 9502706 A1 19950126**; AT 404907 B 19990325; AT A137593 A 19980815; AU 697873 B2 19981022; AU 7491294 A 19950213; BR 9407126 A 19960910; DE 59402245 D1 19970430; EP 0708843 A1 19960501; EP 0708843 B1 19970326; ES 2100732 T3 19970616; FI 102548 B1 19981231; FI 102548 B 19981231; FI 960146 A0 19960112; FI 960146 A 19960312; KR 100207835 B1 19990715; KR 960703441 A 19960817; RU 2112812 C1 19980610; US 5725696 A 19980310

DOCDB simple family (application)  
**EP 9402215 W 19940706**; AT 137593 A 19930713; AU 7491294 A 19940706; BR 9407126 A 19940706; DE 59402245 T 19940706; EP 94924719 A 19940706; ES 94924719 T 19940706; FI 960146 A 19960112; KR 19950706046 A 19951230; RU 96102589 A 19940706; US 58156796 A 19960408