

Title (en)
Method and apparatus for continuous casting of metal strand

Title (de)
Verfahren und Anlage zur Herstellung von Stahlband

Title (fr)
Procédé et dispositif de coulée continue d'un lingot métallique

Publication
EP 0535368 B1 19960605 (DE)

Application
EP 92114594 A 19920827

Priority
• DE 4131116 A 19910919
• DE 4135214 A 19911025

Abstract (en)
[origin: EP0535368A1] In a method for the production of steel strip, a continuously cast steel strip (2) consisting of a solidified strand shell (3) and a molten core (4) is reduced in thickness in a roller-deformation operation and then rolled. To avoid unwanted thickness deviations, to improve the structure and to simplify the roller-deformation unit, a continuous steel strip is cast in a thickness of 40 - 80 mm, subjected to roller deformation to a thickness of 15 - 40 mm with a remaining molten core with a thickness of 2 - 15 mm in a maximum of three stages and allowed to solidify completely. <IMAGE>

IPC 1-7
B22D 11/12; **B21B 1/46**

IPC 8 full level
B21B 1/46 (2006.01); **B21B 13/22** (2006.01); **B22D 11/12** (2006.01); **B22D 11/128** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP US)
B21B 1/463 (2013.01 - EP US); **B21B 1/466** (2013.01 - EP US); **B22D 11/1206** (2013.01 - EP US); **B21B 2201/14** (2013.01 - EP US)

Cited by
DE19849603C2; CN105492132A; DE19515937C2; EP1108484A1; EP0662357A1; EP0917922A1; CN102554169A; US6533024B2; US6308769B1; DE102015210865A1; WO2015014865A1; DE102015210863A1; WO2016165933A1; EP3027330B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0535368 A1 19930407; **EP 0535368 B1 19960605**; AT E138835 T1 19960615; CA 2078582 A1 19930320; CA 2078582 C 19991116; CN 1039290 C 19980729; CN 1071868 A 19930512; ES 2089317 T3 19961001; JP 3113410 B2 20001127; JP H05277682 A 19931026; RU 2053859 C1 19960210; US 5339887 A 19940823; US 5400850 A 19950328

DOCDB simple family (application)
EP 92114594 A 19920827; AT 92114594 T 19920827; CA 2078582 A 19920918; CN 92111079 A 19920919; ES 92114594 T 19920827; JP 24660492 A 19920916; SU 5052482 A 19920918; US 26533394 A 19940624; US 94770892 A 19920918