

Title (en)

Method of and device for operating a continuous casting installation

Title (de)

Verfahren und Vorrichtung zum Betreiben einer Stranggiessanlage

Title (fr)

Procédé et dispositif pour exercer une installation de coulée continue

Publication

EP 0662357 B1 19970528 (DE)

Application

EP 94117306 A 19941103

Priority

DE 4338805 A 19931112

Abstract (en)

[origin: US5511606A] An arrangement for operating a continuous casting plant for the manufacture of thin slabs for hot strip rolling includes at least one pair of reducing rolls which follow a continuous casting mold. Adjustable strand guide elements are arranged following the pair of reducing rolls. A method of operating the continuous casting plant includes adjusting the pair of reducing rolls, after a predetermined length of the hot strand has traveled through the pair of reducing rolls, to a smaller gap between the reducing rolls which causes the liquid phase to be squeezed off, and deforming the hot strand by means of the pair of reducing rolls to a start-up size which has a thickness which is smaller than the thickness of the desired final size, and subsequently adjusting, preferably successively, the strand guide segments and the pair of reducing rolls to the thickness of the final size as soon as the start-up size having the smaller thickness has completely reached the range of adjustment of the respective strand guide segments and the pair of reducing rolls.

IPC 1-7

B21B 1/46; **B22D 11/12**

IPC 8 full level

B21B 1/46 (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP US)

B22D 11/1206 (2013.01 - EP US)

Cited by

KR20160143919A

Designated contracting state (EPC)

AT BE DE ES FR GB GR IT

DOCDB simple family (publication)

US 5511606 A 19960430; AT E153571 T1 19970615; DE 4338805 A1 19950518; DE 4338805 C2 19951026; DE 59402911 D1 19970703; EP 0662357 A1 19950712; EP 0662357 B1 19970528; ES 2102120 T3 19970716

DOCDB simple family (application)

US 33914594 A 19941114; AT 94117306 T 19941103; DE 4338805 A 19931112; DE 59402911 T 19941103; EP 94117306 A 19941103; ES 94117306 T 19941103