

Title (en)

Guiding device on the cast belts of a double belt continuous casting mould.

Title (de)

Führungseinrichtung an den Giessbändern einer Doppelbandstranggiesskokille.

Title (fr)

Dispositif de guidage aux bandes de coulée d'une lingotière de coulée continue à double bande.

Publication

EP 0172449 A2 19860226 (DE)

Application

EP 85109477 A 19850727

Priority

DE 3431316 A 19840825

Abstract (en)

[origin: US4601324A] A twin-belt continuous casting apparatus has a central support assembly (formed of rollers) in alignment with the mold chamber and arranged for backing up a respective casting belt at a plurality of locations; and lateral support assemblies in alignment with a respective side dam of the apparatus for backing up a respective casting belt against the side dams. Each lateral support assembly comprises a plurality of serially-arranged rolling bodies and a guiding arrangement for guiding each rolling body for a rolling advancement in the casting direction through a length portion while contacting a respective casting belt and for returning each rolling body from a downstream end of the length portion to an upstream end thereof while being out of contact with and oriented away from the casting belt. The length portion extends substantially from the inlet of the mold chamber and has a length which is, at the most, one fourth of the length of the mold chamber. During the casting operation there is, at any time, a plurality of rolling bodies in contact with a respective casting belt along the casting direction.

Abstract (de)

Um die Führung der Gießbänder innerhalb einer Doppelbandstranggießkokille zu verbessern, wird der Vorschlag unterbreitet, die den Seitendämmen (4) bezüglich des benachbarten Gießbandes (2, 3) gegenüberliegenden Seitenstützelemente (5) jeweils mit einer Vielzahl Einzelunterstützungen in Form drehbarer, mitlaufender Rotationskörper (15) auszustatten, die in periodisch wiederkehrenden Zeitabständen jeweils nur zeitweilig dem betreffenden Gießband zugewandt sind. Die Seitenstützelemente sind dabei in dem in Gießrichtung (Pfeil 16) vorderen Abschnitt der Doppelbandstranggießkokille angeordnet, der allenfalls das erste Viertel der Länge des Kokillenraums (1) ausmacht. Die Mittenführungselemente bestehen vorteilhaft aus Einzelrollen (9, 10).

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