

Title (en)

GUIDING DEVICE ON THE CAST BELTS OF A DOUBLE BELT CONTINUOUS CASTING MOULD

Publication

EP 0172449 A3 19861230 (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.

IPC 1-7

B22D 11/06

IPC 8 full level

B22D 11/06 (2006.01)

CPC (source: EP US)

B22D 11/066 (2013.01 - EP US); **B22D 11/0677** (2013.01 - EP US)

Citation (search report)

- [AD] US 3937274 A 19760210 - DOMPAS JOHN M A
- [A] CH 347610 A 19600715 - HAZELETT STRIP CASTING CORP [US]
- [A] CH 426114 A 19661215 - ALUSUISSE [CH]

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 3431316 A1 19850718; DE 3431316 C2 19860116; AU 4564885 A 19860227; CA 1230730 A 19871229; EP 0172449 A2 19860226; EP 0172449 A3 19861230; JP S6160245 A 19860327; US 4601324 A 19860722

DOCDB simple family (application)

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