

Title (en)

APPARATUS FOR STRAIGHTENING A CURVED CONTINUOUS CAST STEEL STRAND

Publication

EP 0291766 A3 19900131 (DE)

Application

EP 88107165 A 19880504

Priority

DE 3716510 A 19870516

Abstract (en)

[origin: EP0291766A2] An apparatus for straightening a steel strand continuously cast in a curve by means of a casting wheel or a bow-type continuous casting machine is described. The strand is guided between straightening points using rolls, such as straightening, bending, guide, counter-rolls and/or corresponding pairs of rolls in accordance with a certain law, at least two roll pairs which transmit bending moments to the strand at a distance from one another being provided. The first roll pair is simultaneously the roll pair situated directly downstream of the point of emergence of the strand from the casting machine in the direction of movement of the strand or is formed by the casting wheel (the curved mould) and an associated straightening roll. The second roll pair determines the transition of the strand from a still finite radius of curvature into a straight line (infinite radius of curvature) at the end of the bending zone. Between these two roll pairs, further rolls can be located exclusively along the outer side of the strand.

IPC 1-7

B22D 11/12

IPC 8 full level

B22D 11/12 (2006.01)

CPC (source: EP US)

B22D 11/1226 (2013.01 - EP US)

Citation (search report)

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- [A] US 4602966 A 19860729 - FUKUOKA SHINGORO [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 238 (M-335)[1675], 31. Oktober 1984; & JP-A-59 118 257 (SHIN NIPPON SEITETSU K.K.) 07-07-1984

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