

Title (en)

ROLLER GUIDE, PARTICULARLY FOR A CONVEYING AND STRAIGHTENING MACHINE OF A CONTINUOUS CASTING PLANT

Publication

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Application

EP 82103398 A 19820422

Priority

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Abstract (en)

[origin: US4488591A] During the continuous casting of preforms of large cross-section, considerable problems occur in the straightening region, because due to straightening, deformations are caused in the billet which has not yet solidified at the core. Therefore, in addition to the upper and lower straightening rollers additional lateral support rollers are provided, so that the billet is supported on all sides. For the purpose of space-saving incorporation in a multi-billet installation, the support rollers are mounted in swinging frames, which are moved by vertically raised cylinders. In order that the support rollers can be adapted to different billet dimensions, they are received within the fork-like swinging frames by vertically movable guide frames with roller supports inserted therein and able to be adjusted horizontally. Springs inserted in the swinging frames exert a continuous force in a vertical direction against the guide frames. Upon lowering of the upper straightening rollers, the pressure plates of the roller supporting beam bear against the guide frames, whereby an automatic adaptation to a new billet thickness is provided.

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