

Title (en)
METHOD OF CONTROLLING WIDTH OF PLATE

Publication
EP 0037834 B1 19850612 (EN)

Application
EP 79901378 A 19810504

Priority
JP 7900264 W 19791019

Abstract (en)
[origin: WO8101114A1] Method of equalizing the width of a rolled plate in a hot rough rolling process for rolling a plate by vertical and horizontal rolling machines alternatively disposed, particularly a method of controlling the width of a plate. In order to eliminate the variations in the width of the plate due to a difference in temperature distribution essentially between a skid unit and a non-skid unit at the output side of the rough rolling machine in the lateral direction of the plate. The present method includes the steps of measuring the width of a plate to be rolled with a plate width meter (2) to thereby obtain the expansion coefficient of the respective raised widths at the ends of the plate in the lateral direction thereof, which plate is to be rolled in the longitudinal direction over the entire area of at least the intermediate portion thereof, and calculating, over the entire area of at least the intermediate portion of the plate to be rolled, the pressure correction amount necessary to reduce to zero the variations in the width of the plate predicted to occur after the measuring point, on the basis of the expansion coefficient, the width cutting amount for controlling the opening of rolls in the respective vertical rolling machines after a vertical rolling machine to be controlled, the coefficient of standard raised width, and the amount of measured variation in width of the plate introduced by the aforementioned measured amount to thereby control the opening of the rolls in the vertical rolling machine (E4) to carry out the pressure correction amount of the plate to be rolled in the vertical rolling machines after the measured point.

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Citation (examination)
• JP S5226503 B2 19770714
• JP S5236543 A 19770319 - HITACHI LTD
• PATENTS ABSTRACTS OF JAPAN, vol. 3, no. 123, October 16, 1979, page 17C61

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FR

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