

Title (en)
FEED OPENING ADJUSTMENT OF SEGMENTS FOR CONTINUOUS CASTING SYSTEMS

Title (de)
MAULWEITENREGELUNG AN SEGMENTEN FÜR STRANGGIE ANLAGEN

Title (fr)
REGLAGE D'OUVERTURE D'ENTREE DE SEGMENTS D'INSTALLATIONS DE COULEE CONTINUE

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Application
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Abstract (en)
[origin: US2005045304A1] The invention relates to a method for adjusting the feed opening of segments for continuous casting systems, especially position-controlled segments for slab and thin-slab continuous casting systems which comprise a strand guide (1) with segments (2) for a predetermined guidance of a cast strand using measuring and control signals. In order to provide an independent intelligent segment, the measuring and control signals are processed in at least one system unit (14') directly on the respective segment (2) and the set values are fed to the segment (2') by a superordinate control system (10) via a field bus (11), for example a profibus and a power supply (12'). Actual values are returned to the control system (10') via the field bus (11) as the result of control or as a process status. The system units (14) present on the segment (21) are supplied with segment-specific data such as rigidity coefficients, roller diameter, control parameters, feed opening basic settings and adjustment quota. The invention also relates to a device for carrying out the method.

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Citation (opposition)
Opponent :
JOHN WOODRUFF: "Millennium Steel 2001", April 2001, MILLENNIUM STEEL, article FEDERSPIEL ET.AL.: "Automatic Control of Strand Tape and Thickness during casting", pages: 232-238

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