

Title (en)

OPEN OR CLOSED-LOOP CONTROL DEVICE FOR A SUPPORTING-ROLLER FRAME OF A CONTINUOUS CASTING MACHINE

Title (de)

STEUER- ODER REGELEINRICHTUNG FÜR EIN STÜTZROLLENGERÜST EINER STRANGGIESSMASCHINE

Title (fr)

DISPOSITIF DE COMMANDE OU DE RÉGLAGE POUR UN CORSET DE ROULEAUX DE SOUTIEN D'UNE MACHINE DE COULÉE CONTINUE

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Application

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Priority

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- EP 2014076946 W 20141209

Abstract (en)

[origin: WO2015091080A1] The invention relates to an open and/or closed-loop control device for a supporting-roller frame (2) in a continuous casting machine (1). The problem addressed by the invention consists in simplifying the cabling of said open and/or closed-loop control device, and in securing the transmitted signals as much as possible against influence from electromagnetic interferences. This problem is solved in that each hydraulic cylinder (7a...7d) comprises a position sensor (8a...8d) that has a bus interface (9a...9d); in that each roller segment (3, 3a...3l) is connected to a separate axis controller (10, 10a...10l) which comprises a bus interface (9e) and a network connection (12, 12a...12g), said bus interface (9e) of the axis controller (10, 10a...10l) forming a bus network (20) with said bus interfaces (9a...9d) of the position sensor (8a...8d); and in that the continuous casting machine (1) comprises a shared control system (13) with a network connection (12), said shared control system (13) and separate axis controller (10, 10a...10l) forming a star-shaped network (21).

IPC 8 full level

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