

Title (en)

Device for controlling the lifting and pressing movements of the pressure rollers of hot strip coilers.

Title (de)

Vorrichtung zur Steuerung der Anhebe- und Andruckbewegungen der Bandandruckrollen von Walzbandwarmhaspeln.

Title (fr)

Dispositif de commande des mouvements de levage et de serrage des rouleaux presseurs d'enrouleurs de bandes à chaud.

Publication

EP 0222231 B1 19940302 (DE)

Application

EP 86114743 A 19861023

Priority

DE 3539900 A 19851111

Abstract (en)

[origin: US4736605A] The device serves to control the desired lifting and pressure-containing movements of strip pressure rolls for the reels which serve to store hot rolled strip. These reels have a rotating mandrel. The pressure rolls are actuated by piston and cylinder units for positioning the rolls electro-hydraulically in conformity with signals which indicate the relative position of the leading strip edge which rotates with the mandrel. The positioning of the roll, by the lifting and pressure-contacting movements, is effected by position control with subordinated pressure control in a closed-circuit position control loop and a closed-circuit pressure control loop, by input of a setpoint position value which corresponds to the respectively prevailing pressure-contacting and lifting position of the pressure rolls, and by establishment of limited setpoint pressure values for both functions or directions of movement.

IPC 1-7

B21C 47/06

IPC 8 full level

B65H 19/28 (2006.01); **B21C 47/06** (2006.01)

CPC (source: EP KR US)

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AT BE DE ES FR GB IT NL SE

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EP 0222231 A2 19870520; **EP 0222231 A3 19890315**; **EP 0222231 B1 19940302**; AT E102092 T1 19940315; CN 86107620 A 19870520; DE 3539900 A1 19870514; DE 3689682 D1 19940407; ES 2050099 T3 19940516; JP 2898282 B2 19990531; JP S62114723 A 19870526; KR 870004742 A 19870601; KR 930008913 B1 19930917; SU 1558292 A3 19900415; US 4736605 A 19880412

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