

Title (en)
CONTROL AND/OR REGULATING DEVICE FOR A SUPPORTING ROLL FRAME OF A CONTINUOUS CASTING DEVICE FOR METALS,
ESPECIALLY STEEL

Title (de)
STEUER- UND/ODER REGELEINRICHTUNG FÜR EIN STÜTZROLLENGERÜST EINER STRANGGIESSVORRICHTUNG FÜR METALLE,
INSBESONDERE FÜR STAHLWERKSTOFFE

Title (fr)
DISPOSITIF DE COMMANDE ET/OU DE REGLAGE DESTINE A UN TRAIN DE ROULEAUX DE SUPPORT D'UNE INSTALLATION DE COULEE
CONTINUE DE METAUX, NOTAMMENT D'ACIER

Publication
EP 1807230 B1 20080604 (DE)

Application
EP 05811242 A 20051104

Priority
• EP 2005011845 W 20051104
• DE 102004054296 A 20041109

Abstract (en)
[origin: US2008147349A1] A controlling and/or regulating device for a supporting roll stand (2) of a continuous casting installation (1) for metals, especially for steel materials (3), comprises a plurality of successive roll segments (8) with lower frames (11) and upper frames (12) which can be adjusted relative to the other and pairs of piston-cylinder units (13). The measurement data of field devices (14) are acquired locally and processed. The controlling and/or regulating device simplifies the field cabling and the regulating concept by relocating functions to or next to a roll segment (8) in that the field devices (14) are arranged at or on the roll segment (8) or in the vicinity of the roll segment (8) at the stationary shop scaffold (17), and their measurement signals are processed by axle regulators (18) and are stored and communicate with a memory-programmable control unit (19) by a fieldbus module (20).

IPC 8 full level
B22D 11/128 (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR US)
B22D 11/128 (2013.01 - EP KR US); **B22D 11/16** (2013.01 - KR); **B22D 11/20** (2013.01 - EP KR US)

Cited by
WO2015091080A1; CN106061652A; US10464124B2; WO2016066625A1; EP2583772B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2008147349 A1 20080619; AT E397505 T1 20080615; CA 2584640 A1 20060518; CA 2584640 C 20120417; CN 100469490 C 20090318; CN 101031376 A 20070905; DE 102004054296 A1 20060511; DE 102004054296 B4 20211111; DE 502005004358 D1 20080717; EP 1807230 A1 20070718; EP 1807230 B1 20080604; ES 2306251 T3 20081101; JP 2008518789 A 20080605; JP 5032329 B2 20120926; KR 101205275 B1 20121127; KR 20070083547 A 20070824; RU 2007110485 A 20080927; RU 2353466 C2 20090427; TW 200628246 A 20060816; TW I409114 B 20130921; UA 86651 C2 20090512; WO 2006050868 A1 20060518; ZA 200701347 B 20080827

DOCDB simple family (application)
US 66527505 A 20051104; AT 05811242 T 20051104; CA 2584640 A 20051104; CN 200580032059 A 20051104; DE 102004054296 A 20041109; DE 502005004358 T 20051104; EP 05811242 A 20051104; EP 2005011845 W 20051104; ES 05811242 T 20051104; JP 2007539542 A 20051104; KR 20077005508 A 20051104; RU 2007110485 A 20051104; TW 94139090 A 20051108; UA A200704026 A 20051104; ZA 200701347 A 20070215