

Title (en)

Position indicator for measuring the setting stroke way of the roll of a rolling frame

Title (de)

Positionsgeber zur Anstellhubwegmessung der Walzen eines Walzgerüstes

Title (fr)

Indicateur de position pour mesurer le chemin de mise en prise d'élévation du rouleau d'une charpente de laminoir

Publication

EP 1001247 B1 20090121 (DE)

Application

EP 99121755 A 19991103

Priority

DE 19851480 A 19981109

Abstract (en)

[origin: EP1001247A2] Position transmitter comprises a telescopic housing whose lower part holding the displacement transducer (10) is joined to a hydraulic cylinder (4) and whose upper part holding a measuring stick assigned to the transducer is connected to a guide piston (5). A bending rod (24) connects the upper part of the telescopic housing to the plate of the guide piston. The longitudinal axis of the bending rod runs in the lifting direction of the hydraulic cylinder.

IPC 8 full level

B21B 31/20 (2006.01); **G01B 5/00** (2006.01); **B21B 31/02** (2006.01); **B21B 31/32** (2006.01); **B21B 38/10** (2006.01); **B21B 37/62** (2006.01)

CPC (source: EP US)

B21B 38/10 (2013.01 - EP US); **B21B 31/32** (2013.01 - EP US); **B21B 37/62** (2013.01 - EP US); **B21B 2203/12** (2013.01 - EP US)

Cited by

WO2021142499A1; AT523054A4; AT523054B1; DE102008037756A1; DE102007048686A1; WO2009049770A1

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DOCDB simple family (publication)

US 6173596 B1 20010116; AT E421677 T1 20090215; DE 19851480 A1 20000511; DE 19851480 B4 20070913; DE 59914952 D1 20090312; EP 1001247 A2 20000517; EP 1001247 A3 20011121; EP 1001247 B1 20090121; ES 2318881 T3 20090501; JP 2000140914 A 20000523; JP 4377010 B2 20091202

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US 43575699 A 19991108; AT 99121755 T 19991103; DE 19851480 A 19981109; DE 59914952 T 19991103; EP 99121755 A 19991103; ES 99121755 T 19991103; JP 30771199 A 19991028