

Title (en)

Screwdown device for adjusting of roll gap in rolling stands, in particular strip rolling stands.

Title (de)

Anstellvorrichtung zum Einstellen des Walzenabstandes in Walzgerüsten, insbesondere in Bandwalzgerüsten für Warm- oder Kaltwalzung.

Title (fr)

Dispositif de serrage pour ajustage d'écartement de cylindres pour laminoirs, en particulier pour laminoirs de tôles.

Publication

EP 0450294 B1 19931229 (DE)

Application

EP 91102412 A 19910220

Priority

DE 4010662 A 19900403

Abstract (en)

[origin: EP0450294A1] The invention relates to a screwdown device for adjusting the roll gap or rolling force in rolling stands. The screwdown device has two hydraulic screwdown cylinders (2) which act on both sides of a work roll (5) to be adjusted. The screwdown cylinders each have two or more piston faces, which can be supplied with pressure medium independently of one another, either individually, in any desired combination or all together. It is thereby possible to improve the control of the rolling force in the respective range in such a way that percentage fluctuations in the rolling force are minimised and, as a consequence, variations in the roughness and wall thickness are reduced to a non prejudicial level. <IMAGE>

IPC 1-7

B21B 31/32

IPC 8 full level

B21B 31/32 (2006.01)

CPC (source: EP US)

B21B 31/32 (2013.01 - EP US)

Citation (examination)

PATENT ABSTRACTS OF JAPAN, unexamined applications, Sektion M, Band 11 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 146M642 *Kokai-nr 62-130 705 (Nisshin steel co ltd)

Cited by

CN105478639A; AU2004291240B2; KR101121502B1; DE10312633A1; DE10312633B4; EP1459813A3; US7631531B2; WO2005049242A1

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