

## Title (en)

Device and method for the quick changing of rolls in a six-high rolling stand

## Title (de)

Vorrichtung und Verfahren für schnellen Walzenwechsel an einem Sechswalzen-Walzgerüst

## Title (fr)

Dispositif et procédé pour changer rapidement les cylindres d'une cage de laminoir à six cylindres

## Publication

**EP 0911089 A3 20000223 (DE)**

## Application

**EP 98118625 A 19981001**

## Priority

DE 19747013 A 19971024

## Abstract (en)

[origin: EP0911089A2] Each seating element (11, 12) for seating a lower intermediate roll (23, 23') with its bearing blocks (19, 19') has an intermediate frame (3, 4) which can be driven in and out of the side shifter cassette (10). Each seating element (11, 12) for seating a lower intermediate roll (23, 23') with its bearing blocks (19, 19') has an intermediate frame (3, 4) which can be driven in and out of the side shifter cassette (10). The method includes preparation of the roll stand for roll changing, positioning of the roll changing trolley (1) and the gripper trolley, extraction of the rolls to be changed from the roll stand, removal of the gripper trolley with rolls, positioning of the side shifter cassette (10) with new rolls, and use of the gripper trolley to insert these new rolls into the roll stand. It further includes steps concerned with use of the intermediate frames (3, 4) and a crane to complete the roll changing operations.

## IPC 1-7

**B21B 31/10**

## IPC 8 full level

**B21B 31/08** (2006.01); **B21B 31/10** (2006.01); **B21B 13/02** (2006.01)

## CPC (source: EP US)

**B21B 31/103** (2013.01 - EP US); **B21B 2013/028** (2013.01 - EP US)

## Citation (search report)

- [DYA] EP 0112981 A2 19840711 - SCHLOEMANN SIEMAG AG [DE]
- [A] DE 1527706 A1 19700122 - SCHLOEMANN AG
- [YA] PATENT ABSTRACTS OF JAPAN vol. 008, no. 112 (M - 298) 25 May 1984 (1984-05-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 103 (M - 0941) 26 February 1990 (1990-02-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02 29 February 1996 (1996-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 042 (M - 359) 22 February 1985 (1985-02-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 003, no. 023 (C - 038) 26 February 1979 (1979-02-26)

## Cited by

WO2023001599A1; WO2004039512A1; WO2007080086A1; US8511127B2; US8522590B2; US8555688B2; DE102021207948A1

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## DOCDB simple family (application)

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