

Title (en)

Method and device for cleaning rolls and/or rollers in strip casting installations, rolling mills and/or strip processing lines, in particular skin pass mills or similar sizing mills

Title (de)

Verfahren und Vorrichtung zum Reinigen von Walzen und/oder Rollen in Bandgiessanlagen, Walzwerken und/oder Bandprozesslinien, insbesondere Dressierwerken oder dergleichen Nachwalzwerken

Title (fr)

Procédé et dispositif pour nettoyer des cylindres et/ou des rouleaux dans des installations de coulée de bandes, des laminoirs et/ou des lignes de fabrication de bandes, en particulier des laminoirs de dressage ou des laminoirs d'écrouissage analogues

Publication

EP 0995504 A3 20010502 (DE)

Application

EP 99118517 A 19990918

Priority

DE 19848174 A 19981020

Abstract (en)

[origin: EP0995504A2] Process for cleaning rollers and/or rolls in continuous casting plants, strip process lines and/or rolling mills comprises subjecting the rollers and/or rolls to a cleaning fluid from a nozzle that is moved to and fro along the rollers and/or rolls. The distance between the nozzle and the roller sleeve or roll sleeve is adjusted or regulated to a prescribed dimension. An Independent claim is also included for an apparatus for cleaning rollers and/or rolls comprising a cleaning nozzle (2) fixed to the piston rod (6) of a controllable or regulatable cylinder piston unit (7) directed onto the roller or roll to be cleaned.

IPC 1-7

B21B 28/04

IPC 8 full level

B21B 28/04 (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP US)

B21B 28/04 (2013.01 - EP US)

Citation (search report)

- [YA] US 5460023 A 19951024 - GINZBURG VLADIMIR B [US]
- [A] EP 0706841 A1 19960417 - MANNESMANN AG [DE]
- [A] DE 19621837 C1 19970911 - THYSEN STAHL AG [DE]
- [A] US 2234153 A 19410304 - GEORGE HERBERT CLARENCE
- [A] US 4400961 A 19830830 - SCHAMING EDWARD J [US]
- [A] US 5212975 A 19930525 - GINZBURG VLADIMIR B [US]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 017, no. 336 (M - 1435) 25 June 1993 (1993-06-25)
- [A] DATABASE WPI Section Ch Week 197850, Derwent World Patents Index; Class M21, AN 1978-90223A, XP002162281

Cited by

EP1170066A1; CN102284520A; FR2915118A1; DE102013105399A1; ITPC20120001A1; CN105921531A; RU2632495C2; CN110538879A; US6659110B2; US9597705B2; WO2013108205A1; WO2008129141A1; WO2011151141A1; WO2009156598A1

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