

Title (en)

METHOD AND APPARATUS FOR CLEANING ROLLS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REINIGEN VON WALZEN

Title (fr)

PROCEDE ET DISPOSITIF POUR NETTOYER DES CYLINDRES

Publication

EP 1802406 A1 20070704 (DE)

Application

EP 05786743 A 20050912

Priority

- EP 2005009780 W 20050912
- DE 102004048619 A 20041006

Abstract (en)

[origin: US2008023043A1] With a method of cleaning cylinders (5) and/or rolls (5), e.g., working rolls (5) in a rolling stand, which are used for producing a rolled stock (1) such as strips or slabs, wherein a liquid is sprayed onto the cylinders (5) at high pressure through several nozzles D 1 -Dn, a number of nozzles (D 1 -Dn) are stationary arranged in and/or on a nozzle beam (10), at least one on-off valve is associated with each nozzle (D 1 -Dn), and one or several nozzle(s) (D 1 -Dn) are sequentially switched on and off one after another starting from one end of the nozzle beam. The invention further relates to a corresponding apparatus.

IPC 8 full level

B21B 28/04 (2006.01)

CPC (source: EP US)

B21B 28/04 (2013.01 - EP US)

Citation (search report)

See references of WO 2006037430A1

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 2008023043 A1 20080131; AT E435074 T1 20090715; CN 100540166 C 20090916; CN 101076412 A 20071121; DE 102004048619 A1 20060413; DE 502005007635 D1 20090813; EP 1802406 A1 20070704; EP 1802406 B1 20090701; EP 1802406 B2 20120613; JP 2008515636 A 20080515; JP 4838252 B2 20111214; RU 2006138224 A 20080510; RU 2333809 C2 20080920; WO 2006037430 A1 20060413

DOCDB simple family (application)

US 66490105 A 20050912; AT 05786743 T 20050912; CN 200580034177 A 20050912; DE 102004048619 A 20041006; DE 502005007635 T 20050912; EP 05786743 A 20050912; EP 2005009780 W 20050912; JP 2007535039 A 20050912; RU 2006138224 A 20050912