

Title (en)

APPARATUS AND METHOD FOR REDUCING CONSUMPTION OF ALCOHOL USED IN CLEANING OXIDIZED HOT METAL SURFACES

Title (de)

GERÄT UND VERFAHREN ZUR EINSCHRÄNKUNG DES ALKOHOLVERBRAUCHS BEIM REINIGEN VON OXIDIERTEN HEISSEN METALLOBERFLÄCHEN

Title (fr)

APPAREIL ET PROCEDE DE REDUCTION DE L'ALCOOL UTILISE DANS LE DECAPAGE DE SURFACES METALLIQUES CHAUDES OXYDEES

Publication

EP 0914217 B1 20031022 (EN)

Application

EP 98913270 A 19980326

Priority

- US 9806206 W 19980326
- US 82624597 A 19970327

Abstract (en)

[origin: WO9842456A1] An apparatus and method for reducing consumption of a cleaning solution used in cleaning oxidized hot metal surfaces of continuously cast and rolled metal rod are disclosed. A blast of air is applied to the metal surface with an airwipe device (36) so as to remove droplets of the solution used in cleaning the oxidized metal surface, the removed droplets are collected in an enclosure or box (18), and are received and recovered in a storage tank (20). A liquid trap (19) is provided in a drain connecting the box (18) to the storage tank (20) so as to prevent exhaustion of air into the storage tank (20) and carrying away of volatile components of the cleaning solution.

IPC 1-7

B08B 1/02; **C23G 5/00**

IPC 8 full level

B08B 5/02 (2006.01); **B21B 45/02** (2006.01); **B21B 3/00** (2006.01)

CPC (source: EP)

B08B 5/02 (2013.01); **B21B 45/0278** (2013.01); **B21B 2003/005** (2013.01)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

WO 9842456 A1 19981001; DE 69819108 D1 20031127; DE 69819108 T2 20040715; EP 0914217 A1 19990512; EP 0914217 A4 20000712; EP 0914217 B1 20031022

DOCDB simple family (application)

US 9806206 W 19980326; DE 69819108 T 19980326; EP 98913270 A 19980326