

Title (en)

Device for keeping cold rolled strip dry on the outlet of cold rolling and strip plants

Title (de)

Vorrichtung zum Trockenhalten von Kaltband im Auslauf von Kaltwalz- und Bandanlagen

Title (fr)

Dispositif pour maintenir à sec un feuillard laminé à froid à la sortie d'installations de laminage à froid de bandes

Publication

EP 0765696 B1 19991110 (DE)

Application

EP 96114531 A 19960911

Priority

DE 19535168 A 19950922

Abstract (en)

[origin: US5775152A] An apparatus for keeping cold strip dry in the runout of cold rolling and strip rolling plants includes units for deflecting liquid rolling medium in the area of the strip runout and/or for the removal of spray liquid adhering to the surfaces of the strip, wherein these units are logistically combined, the apparatus including the following components a fixedly installed partition wall having an upper portion above the strip runout extending to the stand platform and a lower portion below the strip runout extending to the base plate, a moveable partition equipped with moveable components for facilitating a problem-free roll exchange, a roll body blower constructed for deflecting squeezed-out rolling medium from the finish-rolled strip, a roll body sealing unit constructed for sealing the roll space above the strip relative to the strip, a strip edge blower constructed for producing an air flow perpendicularly to the strip in the roll gap on the exit side above the strip runout, and a vapor-exhaust unit for producing an air flow extending parallel to the strip travel direction above and below the strip in the strip channel.

IPC 1-7

B21B 27/10; **B21B 45/02**

IPC 8 full level

B21B 1/22 (2006.01); **B21B 27/10** (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP KR US)

B21B 27/10 (2013.01 - EP US); **B21B 45/02** (2013.01 - KR); **B21B 45/0278** (2013.01 - EP US)

Cited by

CN111389922A; CN103203375A; CN1298445C; CN104203441A; CN102671948A; CN106734265A; DE102008019548A1; WO2006063779A1; WO2007022842A1; WO2017118563A1; WO03068426A1; DE102014222530A1; US8186198B2

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DOCDB simple family (application)

US 71658096 A 19960919; AT 96114531 T 19960911; DE 19535168 A 19950922; DE 59603617 T 19960911; EP 96114531 A 19960911; ES 96114531 T 19960911; GR 20000400048 T 20000113; JP 24653796 A 19960918; KR 19960041037 A 19960920