

Title (en)
METHOD AND DEVICE FOR DRYING AND KEEPING DRY ESPECIALLY COLD-ROLLED STRIP IN THE DELIVERY AREA OF COLD-ROLLING AND STRIP-ROLLING PLANTS

Title (de)
VERFAHREN UND VORRICHTUNG ZUM TROCKNEN UND TROCKENHALTEN VON INSBESONDERE KALTBAND IM AUSLAUFBEREICH VON KALTWALZ- UND BANDANLAGEN

Title (fr)
PROCEDE ET DISPOSITIF POUR SECHER ET MAINTENIR SEC EN PARTICULIER UN FEUILLARD LAMINE A FROID DANS LA ZONE DE SORTIE D'INSTALLATIONS DE LAMINAGE A FROID ET DE LAMINAGE DE FEUILLARDS

Publication
EP 1156893 B1 20030423 (DE)

Application
EP 00906331 A 20000216

Priority
• DE 19908743 A 19990301
• EP 0001235 W 20000216

Abstract (en)
[origin: DE19908743A1] According to known methods for drying and keeping dry especially rolled strips (10), the dry area (34) of the finished rolled strip is separated from the damp area (35) of the rolling stand by a partition (12, 13; 14, 15). According to the invention, a contactless seal is created between the partition (12, 13; 14, 15) and the strip (10) by means of a compressed gas buffer which is similar to an air cushion and a split flow (31, 32). Compressed gas (33) is guided onto the strip surfaces at a right angle from above and below, from the nozzle lips (18, 19) of a number of blast nozzles (23).

IPC 1-7
B21B 45/02; **B08B 5/02**

IPC 8 full level
B08B 5/02 (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP KR US)
B08B 5/026 (2013.01 - EP US); **B21B 45/02** (2013.01 - KR); **B21B 45/0278** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6834521 B1 20041228; AT E238110 T1 20030515; AU 2804800 A 20000921; BR 0008574 A 20020122; CA 2364078 A1 20000908; CN 1151004 C 20040526; CN 1342108 A 20020327; DE 19908743 A1 20000907; DE 50001867 D1 20030528; EA 002541 B1 20020627; EA 200100931 A1 20020228; EP 1156893 A1 20011128; EP 1156893 B1 20030423; ES 2197861 T3 20040116; JP 2002538004 A 20021112; KR 20010108279 A 20011207; TR 200102526 T2 20020422; WO 0051757 A1 20000908

DOCDB simple family (application)
US 91471001 A 20010831; AT 00906331 T 20000216; AU 2804800 A 20000216; BR 0008574 A 20000216; CA 2364078 A 20000216; CN 00804522 A 20000216; DE 19908743 A 19990301; DE 50001867 T 20000216; EA 200100931 A 20000216; EP 0001235 W 20000216; EP 00906331 A 20000216; ES 00906331 T 20000216; JP 2000602414 A 20000216; KR 20017011017 A 20010829; TR 200102526 T 20000216