

Title (en)
DAMPERS FOR FURNACE COILERS

Title (de)
OFENKLAPPE FÜR WICKELÖFEN

Title (fr)
REGISTRE POUR FOURS DE BOBINAGE

Publication
EP 1451379 B1 20050727 (DE)

Application
EP 02804182 A 20021120

Priority
• DE 10159717 A 20011205
• EP 0212973 W 20021120

Abstract (en)
[origin: WO03048397A1] The invention relates to a damper construction (2) of a furnace coiler (1) which can especially be used in Steckel mills (1). A hot rolled strip is respectively coiled onto, and uncoiled off, a drum inside the furnace in a reversing manner, by means of a back and forth transport movement, and is optionally heated. Guiding flaps (6, 6') are mounted on the displaceable damper (2) of the furnace coiler, for inserting and guiding the rolled strip. In order to improve maintenance work, the dampers (2) and the furnace coiler (1) are embodied as separate components. The dampers (2) are arranged on an element (4') pertaining to a displaceable roller rack (4), said element being located beneath the furnace coiler (1). Each damper (2) is divided into at least two elements (2', 2'') which can be hinged together, the two hinged elements being connected by means of a hinge bearing (7) in a pivoting manner.

IPC 1-7
C21D 9/68

IPC 8 full level
B21B 45/00 (2006.01); **B21C 47/00** (2006.01); **B21C 47/26** (2006.01); **B21C 47/34** (2006.01); **C21D 9/68** (2006.01); **C21D 9/56** (2006.01)

CPC (source: EP US)
C21D 9/68 (2013.01 - EP US); **C21D 9/562** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 03048397 A1 20030612; AT E300624 T1 20050815; AU 2002356683 A1 20030617; BR 0213803 A 20041019; BR 0213803 B1 20110531; CA 2465290 A1 20030612; CA 2465290 C 20100921; CN 1309847 C 20070411; CN 1599801 A 20050323; DE 10159717 A1 20030618; DE 50203786 D1 20050901; EP 1451379 A1 20040901; EP 1451379 B1 20050727; ES 2243800 T3 20051201; JP 2005511315 A 20050428; JP 4700911 B2 20110615; RU 2004120278 A 20050327; RU 2298142 C2 20070427; UA 76265 C2 20060717; US 2004261484 A1 20041230; US 7155950 B2 20070102

DOCDB simple family (application)
EP 0212973 W 20021120; AT 02804182 T 20021120; AU 2002356683 A 20021120; BR 0213803 A 20021120; CA 2465290 A 20021120; CN 02824241 A 20021120; DE 10159717 A 20011205; DE 50203786 T 20021120; EP 02804182 A 20021120; ES 02804182 T 20021120; JP 2003549574 A 20021120; RU 2004120278 A 20021120; UA 20040705308 A 20021120; US 49605204 A 20040519