

Title (en)
TWIN ROLL CASTING PLANT

Title (de)
ZWEIWALZENGIESSEINRICHTUNG

Title (fr)
INSTALLATION DE COULEE A DEUX CYLINDRES

Publication
EP 1620217 B1 20061213 (DE)

Application
EP 04728773 A 20040422

Priority
• EP 2004004264 W 20040422
• AT 6782003 A 20030506

Abstract (en)
[origin: WO2004098814A1] Disclosed is a twin roll casting plant comprising two casting rolls (1, 2) which rotate in opposite directions about horizontal shafts, a casting gap for forming and discharging a thin cast metal strip, a sealed enclosure (13) that is provided with a bottom and delimits the path of conveyance of the metal strip leaving the casting gap from a vertical casting direction into a nearly horizontal conveying direction, devices (11) for deflecting the metal strip within said enclosure, and a movable receptacle (25) for conveying scraps and scales away from the twin roll casting plant. In order to minimize infiltration of secondary air into the enclosure that is flooded with a protective gas, the bottom (16) of the enclosure (13) forms a collecting trough (18) for the scraps in at least one partial area thereof, said collecting trough (18) being part of a discharging apparatus (17), while a movable scrap receptacle (25) is placed in a receiving position below the discharging apparatus.

IPC 8 full level
B22D 11/00 (2006.01); **B22D 11/06** (2006.01)

CPC (source: EP KR US)
B22D 11/0622 (2013.01 - EP KR US); **B22D 11/0697** (2013.01 - EP US); **B22D 11/1287** (2013.01 - KR); **B22D 15/005** (2013.01 - KR); **C22C 33/0271** (2013.01 - KR)

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

DOCDB simple family (publication)
WO 2004098814 A1 20041118; AT 412539 B 20050425; AT A6782003 A 20040915; AT E347951 T1 20070115; AU 2004235896 A1 20041118; AU 2004235896 B2 20091203; CN 100534668 C 20090902; CN 1784279 A 20060607; DE 502004002305 D1 20070125; EP 1620217 A1 20060201; EP 1620217 B1 20061213; KR 101209825 B1 20121207; KR 20060011852 A 20060203; MX PA05011789 A 20060126; US 2006118270 A1 20060608; US 7156150 B2 20070102

DOCDB simple family (application)
EP 2004004264 W 20040422; AT 04728773 T 20040422; AT 6782003 A 20030506; AU 2004235896 A 20040422; CN 200480012402 A 20040422; DE 502004002305 T 20040422; EP 04728773 A 20040422; KR 20057021053 A 20051104; MX PA05011789 A 20040422; US 55556405 A 20051207