

Title (en)  
MILL STAND WITH EXHAUST SYSTEM

Title (de)  
WALZGERÜST MIT ABSAUGEINRICHTUNG

Title (fr)  
CAGE DE LAMINOIR DOTÉE D'UN DISPOSITIF D'ASPIRATION

Publication  
**EP 3315220 B1 20190515 (DE)**

Application  
**EP 17192208 A 20170920**

Priority  
DE 102016120365 A 20161025

Abstract (en)  
[origin: CN207592433U] The utility model provides a roll frame for rolling strap which has and arranges suction device (25) in the roll frame, suction device is including arranging at least one suction room (32) of roll gap(14) the top of roll frame (10), the suction room have basically vertically or transversely in the direction of delivery of strap (16) and the clearance shape pump orifice (34) that extends, pump orifice (34) are arranged in suction hood (26), suction hood covers winder regional (17, 19) for pump orifice (34) with be on a parallel with basically opening plane (41) are injectd together in air supply opening (40) that extend pump orifice (34) for produce the wall (42) that flows, mobile wall (42) are in at least in part suction hood (26) and extension are passed extend between strap transport plane (15) of roll gap (14), and will the steam dump of roll frame (10) regional (43) with peripheral region (44) of roll frame separately.

IPC 8 full level  
**B21B 9/00** (2006.01)

CPC (source: EP)  
**B21B 9/00** (2013.01); **B21B 31/00** (2013.01)

Citation (opposition)  
Opponent : SMS group GmbH  
• WO 0061308 A1 20001019 - SUNDWIG GMBH [DE], et al  
• JP S62173006 A 19870729 - HITACHI PLANT ENG & CONSTR CO, et al  
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• JP H11216503 A 19990810 - DAIDO STEEL CO LTD  
• DE 10346516 B3 20050428 - SUNDWIG GMBH [DE], et al  
• JP H09141306 A 19970603 - MITSUBISHI ALUMINIUM  
• DE 4436453 C2 19990805 - ANDRITZ PATENTVERWALTUNG [AT]  
• JP H06335709 A 19941206 - HITACHI PLANT ENG & CONSTR CO  
• DE 102011003046 A1 20120726 - ACHENBACH BUSCHHUETTEN GMBH [DE]  
• KASHDAN ET AL.: "TECHNICAL MANUAL: HOOD SYSTEM CAPTURE OF PROCESS FUGITIVE PARTICULATE EMISSIONS", TECHNICAL MANUAL EPA/600/7-86/016, April 1986 (1986-04-01), XP055714782  
• "BUSCH JET-WALL™ HOOD - Air-Curtain Hood for Rolling Mill Exhaust Systems", PRODUKTBROSCHÜRE BUSCH, 23 August 1999 (1999-08-23), XP055714813  
• QIN: "PC Control of Recoil Tension", NONFERROUS METALS PROCESSING, vol. 31, no. 3, June 2002 (2002-06-01), pages 55 - 57, 62, XP055714823

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