

Title (en)
Winding assembly for a rolling mill

Title (de)
Haspelvorrichtung für eine Walzanlage

Title (fr)
Bobineuse pour un train de laminage

Publication
EP 1982778 A1 20081022 (EN)

Application
EP 07425238 A 20070420

Priority
EP 07425238 A 20070420

Abstract (en)
A winding assembly for a rolling mill for sheet metal, comprising: - a winding spool (24), which turns about a first axis (26), wound on which is a coil (22) formed by a continuous sheet of metal (F); - an ironing roll (30), which turns about a second axis (32) parallel to the first axis (26); - an oscillating support (34), carrying said ironing roll (30) and associated to actuator means (44), which are designed to push the ironing roll (30) against the coil (22) being formed; - a pass-line roll (48), which turns about a third axis (50) parallel to the first and second axes (26, 32); and - at least one deflector roll (52), which turns about a fourth axis (54) parallel to said first, second, and third axes (26, 32, 50) and is set between the pass-line roll (48) and the ironing roll (30). The axis of rotation (54) of said at least one deflector roll (52) is mobile parallel to itself, and a control unit (74) is provided, which, in operation, adjusts continuously the position of the axis of rotation (54) of the deflector roll (52) as a function of the diameter of the coil (22).

IPC 8 full level
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Citation (search report)
• [A] JP S58196115 A 19831115 - NIPPON STEEL CORP
• [A] WO 03041885 A1 20030522 - VAI CLECIM [FR], et al
• [A] WO 03004963 A1 20030116 - SMS DEMAG AG [DE], et al
• [A] JP S61186121 A 19860819 - HITACHI LTD

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EP 1982778 A1 20081022; **EP 1982778 B1 20090708**; AT E435711 T1 20090715; CN 101288882 A 20081022; DE 602007001520 D1 20090820; ES 2327075 T3 20091023; JP 2008264878 A 20081106; US 2008257005 A1 20081023

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