

Title (en)

Biting, auxiliary device, rolling mill, and rolling mill plant

Title (de)

Hilfsvorrichtung zum Einfädeln, Walzwerk und Walzstrasse

Title (fr)

Dispositif auxiliaire pour enfiler, laminoir et installation de laminage

Publication

EP 0745440 A1 19961204 (EN)

Application

EP 96108768 A 19960531

Priority

JP 13633695 A 19950602

Abstract (en)

Disclosed is a hot strip mill plant for preventing a failure in biting of a plate material (1) at small diameter work rolls (3). An inlet side plate passing guide (14) and an outlet side plate passing guide (15) for guiding the plate material (1) between the work rolls (3) are provided on the inlet and outlet sides of a rolling mill. The advancing plate material (1) is deflected upward by a reaction force. Hold-down rollers (17,18) capable of being ascended/descended for preventing the floating of the plate material are provided, and thereby the plate material receives a press-in force larger than the reaction force of the work rolls (3) by the hold-down rollers (17,18). As a result, the plate material is certainly bitten between the work rolls (3). Moreover, a roll balance force or roll bending force for the work rolls is controlled upon biting of the plate material for transmitting a torque necessary for the work rolls, thereby increasing contact forces between the work rolls (3) and intermediate rolls (4). <IMAGE>

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Citation (search report)

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