

Title (en)
Rolling mill

Title (de)
Walzwerk

Title (fr)
Laminoir

Publication
EP 0647486 B1 19980128 (EN)

Application
EP 93116369 A 19931008

Priority
• EP 93116369 A 19931008
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Abstract (en)
[origin: EP0647486A1] An improved rolling mill comprising a roll-crossing device and a sleeve-roll type backup roll is disclosed herein, which can simultaneously control a sheet crown of a rolled sheet material and complex sheet configuration defects such as composite elongation. Upon rolling a sheet material S, upper and lower work rolls 11 having their axes disposed so as to cross with each other within a plane in parallel to a sheet surface of the sheet material to be rolled is rotationally driven, and roll support shafts 1 of upper and lower backup rolls 10 disposed similarly in a crossed arrangement are rotated by appropriate angles to form crown patterns respectively on the upper and lower work rolls 11. If a V-shaped crown in this crown pattern is insufficient, then the upper and lower work rolls 11 and backup rolls 10 are made to rotate further about their central portion in the axial direction by means of hydraulic cylinders 15 to make the upper and lower rolls further cross with each other, and by adjusting this cross angle, a sheet crown of the rolled sheet material S and sheet configuration defects such as composite elongation and the like are controlled.
<IMAGE>

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