

Title (en)
Rolling mill.

Title (de)
Walzwerk.

Title (fr)
Laminoir.

Publication
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Application
EP 93112820 A 19930810

Priority
• JP 23514692 A 19920812
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Abstract (en)
A rolling mill including a split type backing-up roll, which can form a crown pattern most suitable for control of a sheet configuration of given strip to be rolled, is disclosed herein. Outer diameters of a center backing-up roll (3a), quarter backing-up rolls (3b) and side backing-up rolls (3c) are made identical, an axis of the center backing-up roll (3a) and axes of the both side backing up rolls (3c) are arranged as displaced from an axis of a roll shaft in the opposite directions to each other, axes of the both quarter backing-up rolls (3b) are displaced from the axis of the above-mentioned roll shaft in the direction crossing at a desired angle with a straight line connecting the axis of the above-mentioned center backing-up roll (3a) and the axes of the above-mentioned side backing-up rolls (3c), and thereby it is made possible to obtain many kinds of crown patterns. Similar rolling mills including a split type backing-up roll having a number of different constructions are also disclosed. <IMAGE> <IMAGE>

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IPC 8 full level
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CPC (source: EP)
B21B 13/14 (2013.01); **B21B 27/05** (2013.01); **B21B 29/00** (2013.01)

Citation (search report)
• [XA] PATENT ABSTRACTS OF JAPAN vol. 15, no. 354 (M - 1155) 6 September 1991 (1991-09-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 49 (M - 1078) 6 February 1991 (1991-02-06)
• [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 481 (M - 1187) 6 December 1991 (1991-12-06)
• [A] TOSHIHIRO OTO ET AL.: "Effect of backup roll length and roll neck length on profile for 4-h mills", IRON AND STEEL ENGINEER, vol. 58, no. 3, March 1981 (1981-03-01), PITTSBURGH US, pages 60 - 65, XP001382134

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