

Title (en)
SIX-STAGE ROLLING MILL

Title (de)
SECHS-WALZEN-WALZWERK

Title (fr)
LAMINOIR A SIX ETAGES

Publication
EP 0543014 B2 20041027 (EN)

Application
EP 92910178 A 19920518

Priority

- JP 9200639 W 19920518
- JP 94292 A 19920107
- JP 13942891 A 19910516
- JP 13943191 A 19910516
- JP 14415291 A 19910521
- JP 18946791 A 19910704
- JP 18946891 A 19910704
- JP 18946991 A 19910704
- JP 18947091 A 19910704

Abstract (en)
[origin: EP0543014A1] A six-stage rolling mill provided with a pair of top and bottom work rolls, intermediate rolls and backup rolls, at least the intermediate rolls out of the intermediate rolls and the work rolls capable of being shifted in the axial direction, wherein, barrel lengths larger than those of the backup rolls are provided to the respective intermediate rolls in such a manner that, even in the maximum and minimum shift attitudes, the barrel ends of the intermediate rolls can project outwardly beyond those of the backup rolls, so that the six-stage rolling mill particularly high in longitudinal rigidity can be provided. <IMAGE>

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B21B 13/14

IPC 8 full level
B21B 13/14 (2006.01); **B21B 27/02** (2006.01); **B21B 13/02** (2006.01); **B21B 27/10** (2006.01)

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Citation (opposition)
Opponent :

- DE 3712043 A1 19881027 - SCHLOEMANN SIEMAG AG [DE]
- EP 0049798 A2 19820421 - SCHLOEMANN SIEMAG AG [DE]

Cited by
CN103118813A; WO2005065853A3; WO2005063417A1; US8210015B2; WO2014191671A1; US10195652B2

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