

Title (en)
Rolling unit

Title (de)
Walzeinheit

Title (fr)
Unité de laminage

Publication
EP 0726100 A1 19960814 (EN)

Application
EP 95300774 A 19950208

Priority
• EP 95300774 A 19950208
• ZA 95883 A 19950203

Abstract (en)
Disclosed is a rolling unit (10) consisting of two roll stands (12, 14). The roll stands (12, 14) each have pairs of openings (24a) defined through a housing (24) to locate on each side of the pass line (PL), and a pair of eccentric members (26) each having an eccentric opening (26a) are rotatably inserted in these openings (24a), respectively, with a predetermined space being secured axially therebetween. A pair of roll shafts (28), on which rolls (13, 15) are fitted to be rotatable integrally therewith, respectively, are rotatably inserted through these eccentric openings (26a). A pair of adjusting shafts (32) are rotatably disposed in the housing (24). A pair of worms (34), which engage with toothed portions (26b) are fitted on each adjusting shaft (32) to be rotatable integrally therewith. A gear, which is engaged commonly with the adjusting shaft (32). The positions of the rolls (13) can be varied by rotating the adjusting gear via the eccentric members (26). <IMAGE>

IPC 1-7
B21B 1/18; **B21B 13/12**; **B21B 31/26**

IPC 8 full level
B21B 1/18 (2006.01); **B21B 13/12** (2006.01); **B21B 31/26** (2006.01)

CPC (source: EP)
B21B 1/18 (2013.01); **B21B 13/12** (2013.01); **B21B 31/26** (2013.01)

Citation (applicant)
• JP S61150703 A 19860709 - YOSHIDA KEIICHIRO
• JP S55103204 A 19800807 - NIPPON STEEL CORP
• EP 0340505 A2 19891108 - SCHLOEMANN SIEMAG AG [DE]

Citation (search report)
• [XA] EP 0340505 A2 19891108 - SCHLOEMANN SIEMAG AG [DE]
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• [XA] PATENT ABSTRACTS OF JAPAN vol. 4, no. 150 (M - 037) 22 October 1980 (1980-10-22)
• [XA] W. KRÄMER ET AL.: "Hochpräzisionswalzen von Stabstahl auf der Feinstahl- und Drahtstrasse der von Moos Stahl AG (Luzern/Schweiz)", STAHL UND EISEN., vol. 110, no. 6, 14 June 1990 (1990-06-14), DÜSSELDORF DE, pages 59 - 64, XP000140620
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• [A] H. BRAUER ET AL.: "Developments - Rolling mill blocks in modern Kocks mills", IRON AND STEEL ENGINEER, vol. 55, no. 1, January 1978 (1978-01-01), PITTSBURGH US, pages 55 - 67, XP002366042

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