

Title (en)
Rolling roller and rolling mill.

Title (de)
Walze und Walzgerüst.

Title (fr)
Cylindre de laminage et cage de laminoir.

Publication
EP 0509136 A1 19921021 (EN)

Application
EP 91117673 A 19911016

Priority
JP 11407991 A 19910417

Abstract (en)
The present invention provides a rolling roller for rolling steel sections and that can have the roller width changed while not having a drive mechanism for changing the roller width provided to the rolling roller itself, thereby having a simple structure that facilitates exchange, and also provides a rolling mill suitable for use with such a rolling roller. The rolling roller (1) has rolling wheels (11, 21) on a roller shaft (10) and a sleeve (20) and that engage the sleeve (20) with respect to the roller shaft (10). In addition, the sleeve (20) and the roller shaft (10) are tightened and engaged at a place other than the inner side of the rolling wheels (11, 21) and oil injection to the place of tightening and engagement is performed via hydraulic fluid supply paths (53, 54) formed inside the roller shaft (10). <IMAGE>

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CPC (source: EP KR)
B21B 13/00 (2013.01 - KR); **B21B 27/028** (2013.01 - EP); **B21B 31/18** (2013.01 - EP)

Citation (search report)
• [A] DE 3720144 A1 19871223 - MITSUBISHI METAL CORP [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN, unexamined applications, M field, vol. 11, no. 388, December 18, 1987 THE PATENT OFFICE JAPANESE GOVERNMENT page 49 M 652

Cited by
EP1316370A3; CN106238466A; EP0721810A1; DE4442568B4; EP0655283A3

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EP 0509136 A1 19921021; **EP 0509136 B1 19950111**; DE 69106692 D1 19950223; DE 69106692 T2 19951019; KR 920019435 A 19921119; KR 940002747 B1 19940402

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