

Title (en)

Flat-die type rolling machine having device for fastening together die-support frame members and method of fastening the same

Title (de)

Flachbackenwalzmaschine mit Vorrichtung zum miteinander Verbinden der Backentragrahmen und Befestigungsverfahren hierfür

Title (fr)

Laminoir à matrices de roulage planes avec dispositif de fixation des cadres supports des matrices et leur procédé de fixation

Publication

**EP 1072337 A1 20010131 (EN)**

Application

**EP 99114437 A 19990722**

Priority

EP 99114437 A 19990722

Abstract (en)

Flat-die type rolling machine having a pair of parallel flat dies (28) movable relative to each other for rolling a workpiece (W) therebetween, and a pair of parallel elongate frame member (14) spaced apart from each other, connected at their opposite longitudinal end portions and disposed so as to receive rolling reaction forces transferred from the workpiece to the flat dies in opposite directions away from each other, the machine including a fastening device having at least one spacer member (18, 20) interposed between intermediate portions of the frame members, and at least one tightening rod member (48) each having a longitudinal hole for accommodating a heater and adapted to apply a tightening force to the frame members such that the frame members are forced against the at least one spacer member in opposite directions toward each other, wherein the tightening force is generated as a result of elongation of the at least one tightening rod member by heating thereof by the heater and subsequent contraction of the same by cooling thereof. <IMAGE>

IPC 1-7

**B21H 5/02**; **B21H 3/06**; **B21B 31/04**; **B21H 1/18**

IPC 8 full level

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CPC (source: EP)

**B21B 31/04** (2013.01); **B21H 1/18** (2013.01); **B21H 3/06** (2013.01); **B21H 5/027** (2013.01)

Citation (search report)

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