

**EUROPEAN PATENT APPLICATION**

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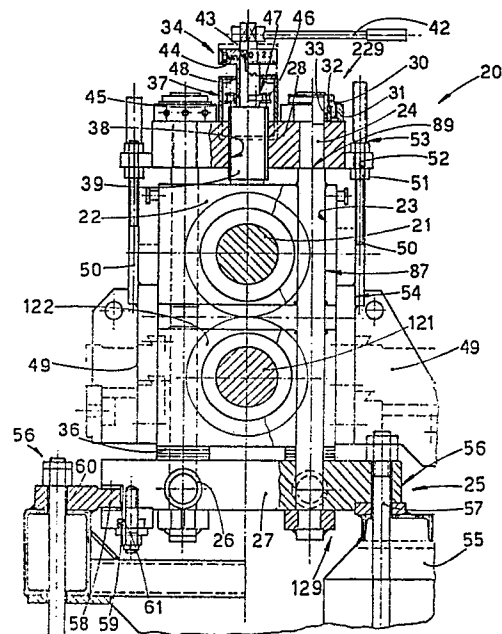
**Improvements to cartridge-type rolling stands and cartridge-type rolling stands thus improved.**

The invention concerns improvements to cartridge-type rolling stands (20) equipped with two side-by-side rolls (21) and disposed with a horizontal or upright axis, whereby said rolls (21) are of a replaceable type and are complete with housings (22), and whereby means (62) to position the rolls (21) axially are comprised, said improvements including one or more of the following:

- structure means (87) to support said housings (22),
- means (34) to regulate the distance between centres of said rolls (21),
- means (56) to anchor the rolling stands (20) to the floor (55),
- means (81) to position and clamp the equipment-carrying bar means (49),

whereby means (35) to balance the distance between centres of said rolls (21) are comprised.

The invention concerns also cartridge-type rolling stands equipped with two side-by-side rolls (21) and disposed with a horizontal or upright axis, whereby said rolls (21) are of a replaceable type and are complete with housings (22), and whereby means (62) are included which position axially the rolls (21) adopting said improvements.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. <sup>3</sup> )
X	<p style="text-align: center;">---</p> DE-A-2 506 449 (NIPPON KOKAN)  *Figures 1-2; page 2, paragraph 2; page 4, paragraphs 3-4; pages 5-6; page 7, paragraphs 1,6; pages 8-13*	1-5,9,10,16	B 21 B 31/04 B 21 B 31/08
X	<p style="text-align: center;">---</p> FR-A-2 152 643 (SCHLOEMANN AG) *Figure 1; page 3, lines 17-24*	1,9-10	
X	<p style="text-align: center;">---</p> DE-A-2 429 375 (NIPPON KOKAN) *Figures 1-2; page 1, paragraph 1; page 6, paragraphs 4-5; page 7, paragraph 1; page 9, paragraph 2; page 10*	1,9-10	
A	<p style="text-align: center;">---</p> DE-A-1 427 851 (DAVY AND UNITED ENGINEERING CO. LTD) *Pages 1-3; page 4, paragraph 1*  <p style="text-align: center;">-----</p>	1	TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )  B 21 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28-02-1983	Examiner NOESEN R. F.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	