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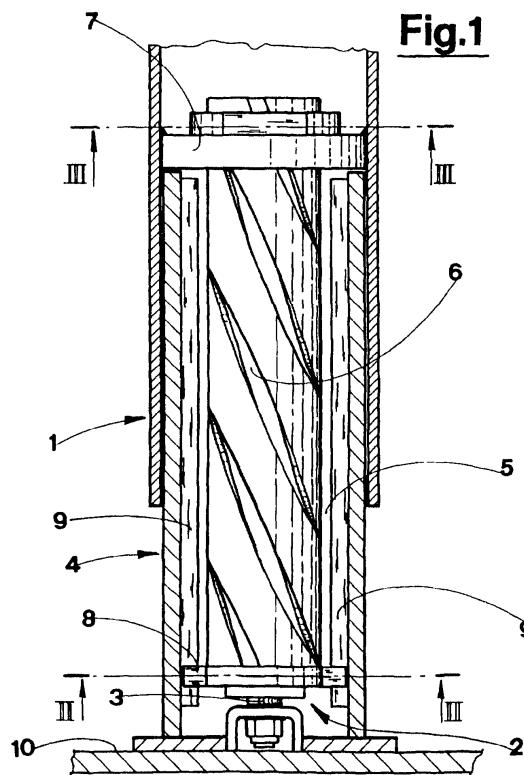
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(54) A rotation device for lifting apparatus

(57) The rotation device for lifting apparatus, especially for cranes mountable on vehicles, comprises a hydraulic cylinder (2) which exhibits a stem (3), solidly connected to a fixed base (4), on which a rotating column (1) of the lifting device is mounted. The body (5) of the

hydraulic cylinder (2) is constrained to translate with respect to the fixed base (4) and is externally provided with helical guides (6) in which organs (17) predisposed on a crown (7) engage. The crown (7) is coupled on the external surface of the body (5) and solidly constrained on the column (1).



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EUROPEAN SEARCH REPORT

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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.6)
X	SOVIET PATENTS ABSTRACTS Section PQ, Week 93411 December 1993 Derwent Publications Ltd., London, GB; Class Q38, AN 93-326599 XP002093970 & SU 1 765 564 A (GALS SPEC CONSTR TECHN BUR), 30 September 1992 * abstract *---	1-3	B66C23/36 B66C23/84
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A	DE 81 10 302 U (ING. ZASCHE FÖRDERTECHNIK) 1 * claim 1; figure 1 *-----	1	
TECHNICAL FIELDS SEARCHED (Int.Cl.6)			
B66C			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
BERLIN	22 February 1999		Thomas, C
CATEGORY OF CITED DOCUMENTS		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	
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			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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22-02-1999

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