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(54) **Dead end hitch for elevator rope**

(57) A dead end hitch (80) is disclosed for traction elevator systems that minimizes the height requirements within an elevator hoistway. The dead end hitch (80) includes a substantially non-vertical lever (90) pivotally attached to a support structure (50). A termination device (66) for terminating a tension member (68) is supported by the lever (90) at a height position substantially the same as the height position of the lever (90). Tension equalization devices such as springs (96) may

be disposed at various locations of the lever (90). In one embodiment, the tension equalisation device is located intermediate the lever end (82) and the termination device (66). In another embodiment (Fig. 4) the tension equalization device (76) is located at a lever end (62) remote from the termination device (66). The configuration disclosed reduces the amount of vertical space needed within the elevator hoistway for the dead end hitch (80).

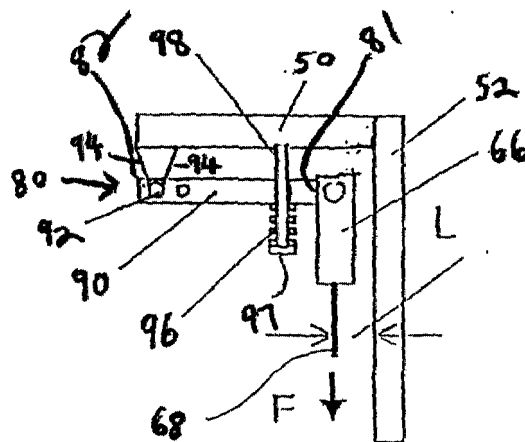


FIGURE 5



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 1162

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 731 052 A (DOVER EUROP AUFZUEGE GMBH) 11 September 1996 (1996-09-11)	1-3	B66B7/06
A	* abstract; figures 4A,4B *	4	
X	US 1 841 958 A (DAVID KENDALL ET AL) 19 January 1932 (1932-01-19)	1-9	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B66B B66C
Place of search	Date of completion of the search	Examiner	
THE HAGUE	6 March 2002	Nelis, Y	
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	
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		& : member of the same patent family, corresponding document	

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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