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**EUROPEAN PATENT APPLICATION**

21 Application number: 87500072.1

51 Int. Cl.<sup>4</sup>: **B 66 F 7/06**

22 Date of filing: 28.10.87

30 Priority: 29.10.86 ES 8603027

43 Date of publication of application:  
24.08.88 Bulletin 88/34

84 Designated Contracting States:  
**AT BE CH DE FR GB GR IT LI LU NL SE**

88 Date of deferred publication of search report:  
07.09.88 Bulletin 88/36

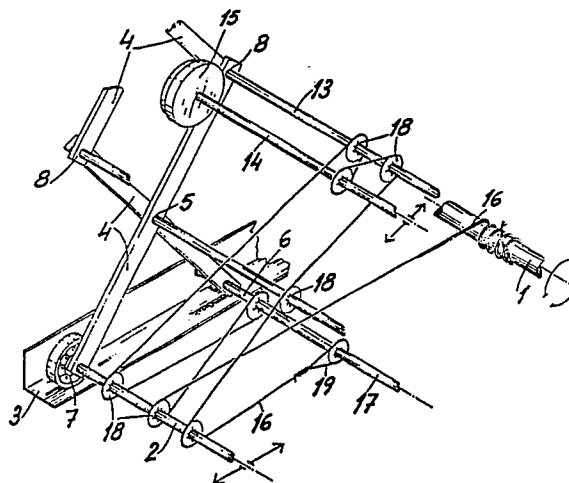
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54 **Horizontal platform lifting device.**

57 Horizontal platform lifting device, including a parallel arranged driving shaft (1) superimposed on a lower horizontal support base (3), on both sides of which two similar side lifting units are arranged parallel and opposite each other, which are simultaneously driven by some driving means. Each one of the mentioned side lifting units includes two pairs of superimposed St Andrew's crosswise linked levers (4), of which the lower one has one of its lower ends (6) linked to a fixed point in the lower support base and the other lower end arranged slidingly over the actual base. The upper ends of the lower St Andrew's cross are linked to the lower ends of the upper cross and one of the upper ends of the upper cross is linked to a fixed point of the lower side of the lifting horizontal platform, while the other upper end of the upper cross is arranged slidingly over the mentioned lower side of the mentioned lifting platform. The mentioned driving means include a pulling cord coiling drum, a first cord returning shaft (12), a second returning shaft (13), and a free transversal bar (14) fitted at its ends with two wheels (15) which are supported on the internal edges of the respective angles formed by the pairs of linked levers (4) at the connection points (8) of the bar which forms the second returning shaft.



**FIG. 1**



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# EUROPEAN SEARCH REPORT

Application Number

EP 87 50 0072

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.4)
Y	US-A-3 785 462 (COAD et al.) * figures; claims 1-3 *	1	B 66 F 7/06
A	---	2,3,6	
Y	US-A-1 817 418 (MUNNS) * claim 1; figure 7 *	1	
A	---	2,3	
A	DE-U-7 932 713 (HEIDE) * figures 3-5; claims *	1-3	
A	DE-U-8 009 329 (RÜTTINGER) * claims 1,5; figures 1,2 *	1	
A	EP-A-0 017 914 (LUPO) * claims 1,2,4; figures 10-12 *	1,2	
A	GB-A-2 088 325 (MITSUHIRO KISHI) * figures 1-3; claim 1 *	1,4,5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 66 F 3/00 B 66 F 7/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 22-06-1988	Examiner KANAL P K
<div>CATEGORY OF CITED DOCUMENTS</div> <div><div>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</div><div>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 ..... &amp; : member of the same patent family, corresponding document</div></div>			