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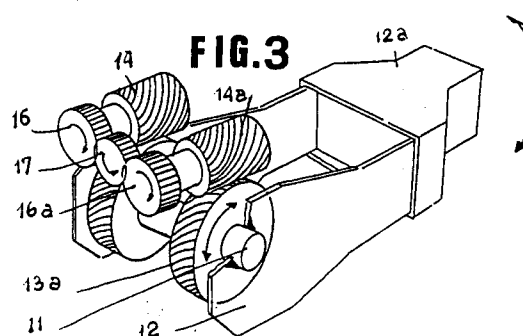
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(54) **Electromechanical group for the automatic control of the correct position of aerial cabs mounted on hoist machinery.**

(57) Electromechanical group for the automatic control of the horizontal and angular position. on the horizontal plane, of aerial cabs borne by extensible arms of hoist machinery. The group comprises: one or a pair of hydraulic motors associated to helicoidal wheels and endless screws activated to move in two directions; a support, fixed to the cab and hinged at the end of the extensible arm; electric pulses, generated by suitable sensors for controlling the horizontal position of the cab, are sent to an electronic central amplifying station which, in real time, activates hydraulic motors to stabilise the horizontal position of the cab. A second mechanical device, comprising a helicoidal wheel with an endless screw, connected to another hydraulic motor, is able to force angular movements on the cab, on the horizontal plane, in two directions and for more than 360°.



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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.5)
Y	FR-A-2 106 543 (HARRISON) * Page 7, line 36 - page 8, line 21; figures 1,3 * ---	1,2	B 66 F 11/04
Y	US-A-3 590 948 (MILNER, Jr.) * Abstract; column 3, lines 57-72; column 5, lines 39-46; column 6, lines 3-11; figures 2,9 * ---	1,2	
A	GB-A-2 207 109 (MASSERON et al.) * Figures 2,16; page 5, line 27 - page 6, line 4; page 33, lines 6-22 * ---	1	
A	US-A-3 074 649 (ATKINSON) * Column 3, line 41 - column 4, line 28; figures 1-3,6 * ---	1,4,5	
A	FR-E- 52 541 (BECKER) * Page 3, line 91 - page 4, line 23; figures 5-7 * ---	1	
A	US-A-3 010 533 (ROSS) * Column 2, lines 43-58; figures 2,3 * ---	3	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	FR-A-2 332 227 (J. LAING AND SON LTD) * Page 4, lines 13-26; page 5, lines 25-27; figures 1,2,13-15 * ---	4	B 66 F F 16 M F 06 C A 62 B E 01 D
A	GB-A-2 224 262 (KASTLE DEVELOPMENT LTD) * Figures 7,9; page 18, lines 8-17; page 18, line 37 - page 19, line 14 * ---	4	
A	CA-A-1 198 691 (AMADOR HYDRAULICS SERVICES LTD) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-08-1992	Examiner GUTHMULLER J.A.H.
CATEGORY OF CITED DOCUMENTS 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			