



(12)

EUROPEAN PATENT APPLICATION

(21) Application number : **92309787.7**

(51) Int. Cl.⁵ : **B66B 7/06, B66B 11/08**

(22) Date of filing : **26.10.92**

(30) Priority : **25.10.91 JP 87670/91**

(43) Date of publication of application :
28.04.93 Bulletin 93/17

(84) Designated Contracting States :
DE FR GB

(88) Date of deferred publication of search report :
09.06.93 Bulletin 93/23

(71) Applicant : **OTIS ELEVATOR COMPANY**
Four Farm Springs
Farmington Connecticut 06032 (US)

(72) Inventor : **Kawasaki, Masashi**
Akitsu 2-2-1-202
Narashino-shi, Chiba-ken (JP)

(74) Representative : **Tomlinson, Kerry John**
Frank B. Dehn & Co. European Patent
Attorneys Imperial House 15-19 Kingsway
London WC2B 6UZ (GB)

(54) Roping method of an elevator.

(57) An elevator is provided having a car, with a ceiling defined by a width and a depth, a counterweight, a plurality of ropes, a pair of first sheaves, a pair of second sheaves, and a pair of third sheaves. The car and the counterweight are connected by a plurality of ropes extending from the car to the first sheave, and then to the second sheave, then to the third sheave, and finally to the counterweight. The sheaves are positioned inside the hoistway, outside of the projected horizontal area of the ceiling of the car and therefore not directly above the ceiling in the hoistway.

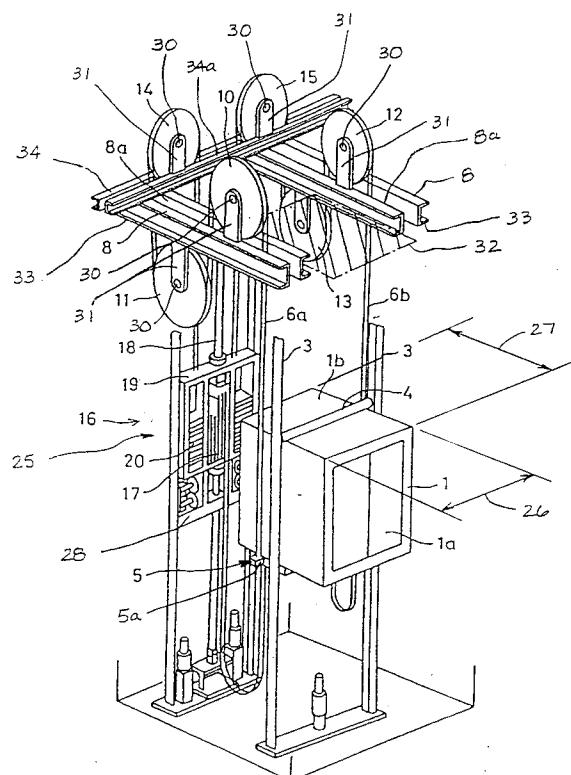


FIG.3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 92 30 9787

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP-A-0 402 148 (OTIS ELEVATOR COMPANY) * column 3, line 28 - column 4, line 9; figures 1-4 *	1,2,6	B66B7/06 B66B11/08
A	GB-A-1 054 349 (ALOIS LODIGE) * page 1, line 39 - line 47; figure 1.2 *	1,6	
A	EP-A-0 410 085 (SCHLOSSER) * column 3, line 19 - column 4, line 13; figures 1,2 *	1,6	
A	GB-A-783 408 (ANGLO AMERICAN CORPORATION OF SOUTH AFRICA LIMITED) * figure 1 *	3,4	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)			
B66B B66D			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	31 MARCH 1993	CLEARY F.M.	
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			