

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 686 594 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.11.1996 Bulletin 1996/47

(51) Int. Cl.⁶: **B66B 7/02**, B66B 11/00

(43) Date of publication A2:
13.12.1995 Bulletin 1995/50

(21) Application number: **95201469.4**

(22) Date of filing: **03.06.1995**

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

(30) Priority: **09.06.1994 IT MI941205**
24.11.1994 IT MI942379

(71) Applicant: **Loiodice, Aldo**
I-20159 Milano (IT)

(72) Inventor: **Loiodice, Aldo**
I-20159 Milano (IT)

(74) Representative: **Riccardi, Sergio**
Riccardi & Co.
Via Macedonio Melloni, 32
20129 Milano (IT)

(54) Self load bearing lift system and arrangement for mounting the main motor thereof

(57) A lift system wherein lift-car guides (14) and/or counter-weight guides (16), both placed at a single plain, provide a self load bearing, modular supporting frame with its loads discharged directly into the pit. Further, the proper positioning of the driving members allows an optimum use of both the space inside the lift well (40) and outside it. An arrangement for mounting

the main motor in electric lift systems in which the motor is connected to a shelf (62) in turn transversely fixed to at least one of the two pairs of guides by shaped sheets. Using such an arrangement it is possible to place the motor anywhere along the lift-car well.

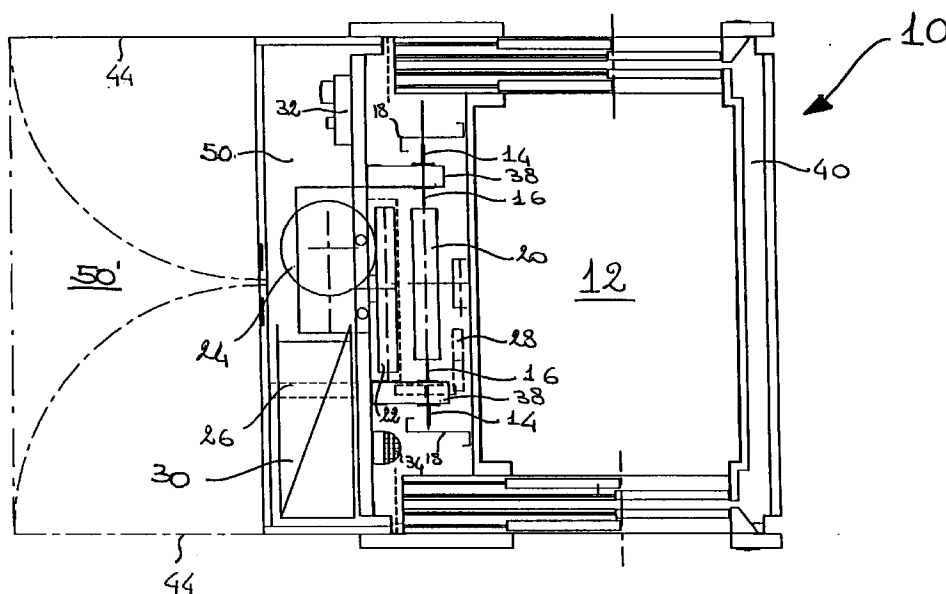


Fig. 1

EP 0 686 594 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 20 1469

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	DE-C-39 22 798 (SCHLOSSER) 20 September 1990 * column 1, line 62 - column 2, line 17 * * figures *	1-4	B66B7/02 B66B11/00
Y	---	5	
X	EP-A-0 442 230 (OTIS ELEVATOR CO) 21 August 1991 * abstract; figures *	1-4	
Y	---	5	
A	DE-U-93 02 119 (C. HAUSHAHN GMBH) 1 April 1993 * claims 1,13; figures *	1,4	
A	---	1	
A	US-A-4 793 441 (CILDERMAN JANIS ET AL) 27 December 1988 * figure 2 *	6	
A	---	6	
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 019 (M-919), 16 January 1990 & JP-A-01 261188 (MITSUBISHI ELECTRIC CORP), 18 October 1989, * abstract *		TECHNICAL FIELDS SEARCHED (Int.Cl.6) B66B
A	---	6	
A	CH-A-615 138 (VILLARS JULIO) 15 January 1980 * the whole document *		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 August 1996	Examiner Salvador, D
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			

EPO FORM 1503 03.82 (P04C01)



European Patent
Office

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

see sheet -B-

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,
namely claims:



European Patent
Office

EP 95 20 1469 -B-

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-5: Arrangement of counter-weight and lift-car guides
2. Claims 6-8: Mounting of motor