



(19) Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 557 391 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.07.2006 Bulletin 2006/30

(51) Int Cl.:
B66B 11/00 (2006.01)

(43) Date of publication A2:
27.07.2005 Bulletin 2005/30

(21) Application number: 05007204.0

(22) Date of filing: 02.06.2000

(84) Designated Contracting States:
DE FR GB NL

(72) Inventor: Hashiguchi, Naoki
Chiyoda-ku,
Tokyo 100-8310 (JP)

(30) Priority: 03.06.1999 JP 15593199
30.07.1999 JP 21675799

(74) Representative: HOFFMANN EITLE
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

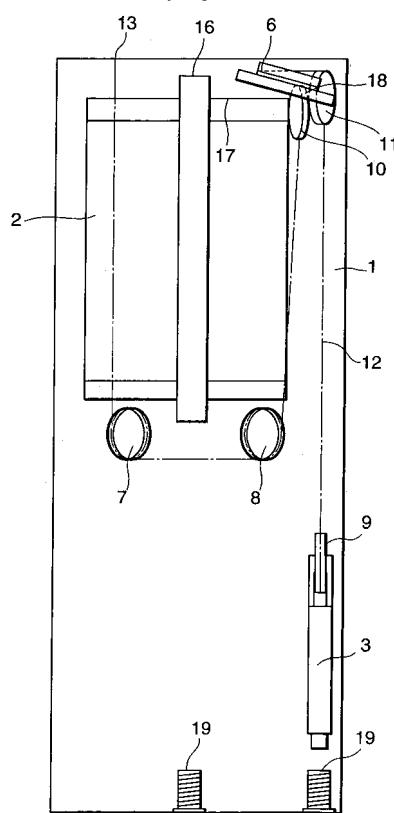
(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
00111059.2 / 1 057 771

(71) Applicant: MITSUBISHI DENKI KABUSHIKI
KAISHA
Chiyoda-ku
Tokyo 100-8310 (JP)

(54) Positioning of a hoisting machine

(57) An elevator system comprises a car (2) that moves in a hoistway (1); a counterweight (3) that moves in the hoistway (1); a main rope (12) that suspends the car and the counterweight; and a hoisting machine (18) on which the main rope is wound and which moves the car and the counterweight up and down via the main rope, further comprising a first inverting pulley (10) on which a first part of the main rope that extends from the car to the hoisting machine is wound, and a second inverting pulley (11) on which a second part of the main rope that extends from the hoisting machine to the counterweight is wound, wherein the hoisting machine, the first inverting pulley and the second inverting pulley are disposed on the mounting base in the hoistway (1) supported by the guide rails.

FIG. 1





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP 0 841 283 A (INVENTIO AG) 13 May 1998 (1998-05-13)	1-3,6	INV. B66B11/00
Y	* column 2, line 16 - column 3, line 5 *	1-3,6	
A	-----	4,5	
Y	EP 0 710 618 A (KONE OY; KONE CORPORATION) 8 May 1996 (1996-05-08)	1-3,6	
A	* column 3, line 7 - column 4, line 28 *	4,5	
E	US 2001/009210 A1 (KOBAYASHI KIYOSHI ET AL) 26 July 2001 (2001-07-26)	1,2,4	
	* paragraph [0181] - paragraph [0182] *		
A	EP 0 565 956 A (KONE ELEVATOR GMBH) 20 October 1993 (1993-10-20)	1-6	
	* abstract *		

			TECHNICAL FIELDS SEARCHED (IPC)
			B66B
The present search report has been drawn up for all claims			
3	Place of search	Date of completion of the search	Examiner
	Munich	13 June 2006	Eckenschwiller, A
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			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 05 00 7204

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
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-06-2006

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0841283	A	13-05-1998	EP	1118575 A2		25-07-2001
EP 0710618	A	08-05-1996	AT DE DE DK ES FI GR JP JP PT	194588 T 69517915 D1 69517915 T2 710618 T3 2148402 T3 96198 B 3034264 T3 3014952 B2 8208152 A 710618 T		15-07-2000 17-08-2000 09-11-2000 04-09-2000 16-10-2000 15-02-1996 29-12-2000 28-02-2000 13-08-1996 29-12-2000
US 2001009210	A1	26-07-2001	US	2001009209 A1 2001009211 A1		26-07-2001 26-07-2001
EP 0565956	A	20-10-1993	AT AU BR CA CN DE DE DK ES FI JP JP US	138892 T 3676693 A 9301532 A 2093973 A1 1077432 A 69302955 D1 69302955 T2 565956 T3 2089622 T3 921682 A 2566107 B2 6016369 A 5361873 A		15-06-1996 11-11-1993 19-10-1993 15-10-1993 20-10-1993 11-07-1996 10-10-1996 16-09-1996 01-10-1996 15-10-1993 25-12-1996 25-01-1994 08-11-1994