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(54) Method of determining an elevator system trafic mode

(57) In a elevator system, the traffic mode is determined in accordance with a method comprising the steps of :

setting an up-peak quantity which varies according to the number and frequency of elevator passengers departing from a building lobby ;
setting a down-peak quantity which varies according to the number and frequency of elevator passengers arriving at the building lobby ;
setting an up-off-peak quantity which varies inversely according to the number and frequency of elevator passengers departing from a building lobby ;
setting a down-off-peak quantity which varies inversely according to the number and frequency of elevator passengers arriving at the building lobby ;
setting an off-peak quantity equal to the maximum of said up-off-peak quantity and said down-off-peak quantity ; and
forming a fuzzy logic set indicative of the elevator traffic mode, said set having basis elements corresponding to up, down, and off-peak traffic modes and having respective degrees of membership proportional to said up, down, and off-peak quantities.

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EUROPEAN SEARCH REPORT

Application Number
EP 96 20 1985

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)
P,X	EP-A-0 427 992 (KONE ELEVATOR GMBH) 22 May 1991 * abstract * * page 3, line 39 - page 4, line 26 * * figure 2 *	1,2,7	B66B1/20
P,A	---	3-6,8	
A	GB-A-2 195 792 (TOKYO SHIBAURA ELECTRIC CO) 13 April 1988 * page 5, line 45 - line 58 * * figure 11 *	1	

TECHNICAL FIELDS SEARCHED (Int.Cl.6)
B66B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	11 September 1996	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
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P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
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