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(54) Method of assigning a car to service a hall call in an elevator system

(57) In a elevator system, the utility of assigning a car to service a hall call is determined by using an assignment utility fuzzy set having basis elements corresponding to the cars of the elevator system and degrees of membership corresponding to the utility of assigning the associated car to the hall call.

The assignment utility fuzzy set is formed in accordance with a method comprising the step of constructing a plurality of performance fuzzy sets, each set corresponding to a particular elevator performance indicator and each term of each set representing the estimated value of the particular performance indicator which corresponds to servicing the hall call with a particular car.

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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| X | GB-A-2 215 488 (FUJITEC KK) 20 September 1989 * page 4, line 8 - line 14 * * page 6, line 23 - page 9, line 5 * * page 12, line 9 - page 13, line 3 * * claims * | 1,2,5,6 | B66B1/20 |
| A | --- | 3,8 | |
| X | US-A-4 947 965 (KUZUNUKI SOSHIRO ET AL) 14 August 1990 * abstract * * claims 1-3 * | 1-3 | |
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| X | GB-A-2 195 792 (TOKYO SHIBAURA ELECTRIC CO) 13 April 1988 * page 5, line 46 - line 58 * * page 9, line 54 - line 61 * * page 12, line 2 - line 19 * * page 16, line 34 - line 42 * * page 18, line 53 - line 57 * | 1,2 | TECHNICAL FIELDS SEARCHED (Int.Cl.6) B66B |
| A | --- | 3-6 | |
| A | GB-A-2 235 311 (HITACHI LTD) 27 February 1991 * page 29, line 10 - page 32, line 22 * * claim 2; figure 7C * ----- | 1-4,6,7 | |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 17 September 1996 | Examiner Salvador, D |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> | | | |

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