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Application

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- US 69316991 A 19910429
- US 69317791 A 19910429
- US 69317891 A 19910429
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Abstract (en)

[origin: EP0511904A2] Elevator control software uses a signal from a passenger weight sensor and observed weight fuzzy logic sets to provide a fuzzy logic set indicative of the number of passengers in a car. The traffic mode of an elevator system is set according to the number and frequency of passengers departing and arriving at a building lobby. The utility of assigning each car of an elevator system to service a hall call is determined by estimating the performance of each car using a plurality of performance criteria. The number of hall passengers waiting at a stop for service by a car is determined by first calculating instantaneous passenger rates whenever a hall call button is pressed or whenever passengers board a car. An uncertainty filter is provided with input data indicating a fuzzy logic set having basis elements corresponding to cars of an elevator system having degrees of membership associated therewith corresponding to the utility of assigning the associated car to service a hall call.

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Citation (search report)

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EP 92401170 A 19920423; AU 1115992 A 19920221; AU 5186493 A 19931123; AU 5186693 A 19931123; AU 5186893 A 19931123; AU 5187193 A 19931123; CA 2062646 A 19920311; DE 69220142 T 19920423; EP 96201984 A 19920423; EP 96201985 A 19920423; EP 96201986 A 19920423; HK 97101614 A 19970729; JP 10729592 A 19920427