

Title (en)
ELEVATOR DISPATCHING

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Application
EP 92401170 A 19920423

Priority
• US 69316991 A 19910429
• US 69317791 A 19910429
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• US 69318191 A 19910429

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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CPC (source: EP)
B66B 1/2408 (2013.01); **B66B 1/2458** (2013.01); **B66B 1/3476** (2013.01); **B66B 1/3484** (2013.01); **B66B 2201/102** (2013.01); **B66B 2201/211** (2013.01); **B66B 2201/214** (2013.01); **B66B 2201/222** (2013.01); **B66B 2201/401** (2013.01); **B66B 2201/403** (2013.01)

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