

Title (en)
Elevator dispatching.

Title (de)
Aufzugsrufzuteilung.

Title (fr)
Distribution d'appels d'un ascenseur.

Publication
EP 0511904 A2 19921104 (EN)

Application
EP 92401170 A 19920423

Priority
• US 69316991 A 19910429
• US 69317791 A 19910429
• US 69317891 A 19910429
• US 69317991 A 19910429
• US 69318191 A 19910429

Abstract (en)
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.

IPC 1-7
B66B 1/20; **B66B 1/34**

IPC 8 full level
B66B 1/18 (2006.01); **B66B 1/20** (2006.01); **B66B 1/24** (2006.01); **B66B 1/34** (2006.01); **B66B 3/00** (2006.01)

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)

Cited by
CN110950199A; CN114014130A; EP0688734A1; US5258587A; EP0688733A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0511904 A2 19921104; **EP 0511904 A3 19930609**; **EP 0511904 B1 19970604**; AU 1115992 A 19921105; AU 5186493 A 19940127; AU 5186693 A 19940127; AU 5186893 A 19940127; AU 5187193 A 19940127; AU 645882 B2 19940127; AU 656490 B2 19950202; AU 658776 B2 19950427; AU 658777 B2 19950427; AU 667138 B2 19960307; CA 2062646 A1 19921030; DE 69220142 D1 19970710; DE 69220142 T2 19980108; EP 0739848 A2 19961030; EP 0739848 A3 19961113; EP 0739849 A2 19961030; EP 0739849 A3 19961204; EP 0741105 A2 19961106; EP 0741105 A3 19961113; HK 1000071 A1 19971114; JP 2577161 B2 19970129; JP H05132250 A 19930528

DOCDB simple family (application)
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