

Title (en)

ELEVATOR ARRANGEMENT ADAPTED FOR DETERMINING POSITIONS OF FIXTURES AT VARIOUS FLOORS

Title (de)

ZUR BESTIMMUNG DER POSITIONEN VON BEFESTIGUNGEN AUF UNTERSCHIEDLICHEN ETAGEN ANGEPASSTE AUFZUGANORDNUNG

Title (fr)

ENSEMBLE ASCENSEUR CONÇU POUR DÉTERMINER LES POSITIONS D'APPAREILS À DIVERS ÉTAGES

Publication

EP 3124416 A1 20170201 (EN)

Application

EP 15178736 A 20150728

Priority

EP 15178736 A 20150728

Abstract (en)

An elevator arrangement (1) is described to comprise a cabin (3), an elevator control (7) controlling displacements of the cabin between various floors (5) and having information on a current position of the cabin, at least one cabin door (9) which may be opened and closed, a plurality of shaft doors (11) located at shaft door openings at each of the floors and being configured to be opened and closed together with the cabin door when the cabin is located at a respective floor and a plurality of shaft door lock switches (13) each of which being connected to an associated one of the shaft doors for providing an opening signal indicating an opening state of the associated shaft door. The elevator arrangement further comprises a plurality of fixtures (15), each fixture being located at one of the floors and being connected to the elevator control for an exchange of information. The elevator arrangement is adapted to perform a fixture position learning procedure comprising: - travelling the cabin to each of the floors; - at each of the floors, opening the cabin door together with an associated shaft door; - at each of the floors, determining a position information of the fixture located at the floor by correlating the information on a current position of the cabin provided by the elevator control with the opening signal provided by the shaft door lock switch associated to the shaft door at the floor upon opening the shaft door and storing the determined position information for subsequent identification purposes for each of the fixtures. Thereby, position information for each of the plural fixtures may be easily and preferably automatically obtained.

IPC 8 full level

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CPC (source: EP)

B66B 1/34 (2013.01); **B66B 1/3407** (2013.01); **B66B 19/00** (2013.01)

Citation (applicant)

US 7699143 B2 20100420 - TSCHUEMPERLIN ERICH [CH], et al

Citation (search report)

- [XII] WO 2015091891 A1 20150625 - INVENTIO AG [CH]
- [XII] JP H04280781 A 19921006 - MITSUBISHI ELECTRIC CORP
- [XII] US 2011120808 A1 20110526 - FANG MING [CN], et al
- [AD] US 7699143 B2 20100420 - TSCHUEMPERLIN ERICH [CH], et al

Cited by

CN112653354A; CN110997547A; CN114394511A; CN114007973A

Designated contracting state (EPC)

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