

Title (en)

LIFT SYSTEM HAVING A PLURALITY OF CARS AND A DECENTRALISED SAFETY SYSTEM

Title (de)

AUFZUGANLAGE MIT EINER MEHRZAHL VON FAHRKÖRBEIN SOWIE EINEM DEZENTRALEN SICHERHEITSSYSTEM

Title (fr)

INSTALLATION D'ASCENSEUR COMPRENANT UNE PLURALITÉ DE CABINES D'ASCENSEUR AINSI QU'UN SYSTÈME DE SÉCURITÉ DÉCENTRALISÉ

Publication

EP 3599208 B1 20210623 (DE)

Application

EP 19189843 A 20151110

Priority

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- EP 15791305 A 20151110
- EP 2015076140 W 20151110

Abstract (en)

[origin: WO2016083114A1] The invention relates to a lift system (1) comprising a plurality of cars (2), a shaft system (3), a drive system for separately moving the cars (2) within the shaft system (3), and a safety system having a plurality of safety nodes, which safety system is designed to transfer the lift system (1) into a safe operating state when an operating state of the lift system (1) deviating from the normal operation is established. The cars (2), the shaft system (3) and the drive system thereby form a respective functional unit. One of the safety nodes is assigned a respective one of the functional units, wherein the safety nodes are each connected to at least one of the further safety nodes via an interface for transmitting data. The safety nodes each comprise at least one sensor for determining an operating parameter of the corresponding assigned functional unit, and a control unit that is designed to evaluate the operating parameter determined by the at least one sensor of the respective safety node, and to make an establishment relating to an operating state deviating from the normal operation, based on the data transmitted from the at least one further safety node.

IPC 8 full level

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Citation (opposition)

Opponent : Otis Elevator Company

- US 2005279584 A1 20051222 - REUTER GUENTER [DE], et al
- US 2013161131 A1 20130627 - KOCHER HANS [CH], et al
- US 2006175135 A1 20060810 - MEISSNER WOLFGANG [DE], et al
- US 6173814 B1 20010116 - HERKEL PETER [DE], et al
- US 2005098390 A1 20050512 - ANGST PHILIPP [CH]
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- JP H05132262 A 19930528 - MITSUBISHI ELECTRIC CORP
- GB 1393669 A 19750507 - TREBRON HOLDINGS LTD
- US 5501295 A 19960326 - MUELLER WOLFGANG [CH], et al

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WO2024061766A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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