

Title (en)

Safety control system for an elevator, escalator or moving walkway

Title (de)

Sicherheitssteuerungssystem für einen Aufzug, eine Fahrtreppe oder einen Fahrsteig

Title (fr)

Système de commande de sécurité pour un ascenseur, escalier mécanique ou passerelle déplaçable

Publication

**EP 2886499 A1 20150624 (EN)**

Application

**EP 14382521 A 20141216**

Priority

ES 201331867 A 20131219

Abstract (en)

The invention relates to a safety control system for an elevator, escalator or moving walkway, comprising a central control unit (4) and at least one electronic safety node (1, 2, 6) communicated with one another by means of a secure communication bus (5). Each electronic safety node (1, 2, 6) is functionally associated with at least one safety switch (1', 2', 6'), which are connected in series forming a safety chain (3). The electronic safety nodes transmit to one another and to the central control unit information relating to the state of at least one safety switch associated with a node, such that each safety node controls its safety switch depending on the information received from another safety node. The proposed control system can be easily scaled and allows reducing installation wiring for the purpose of reducing installation costs and facilitating the assembly thereof.

IPC 8 full level

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CPC (source: EP ES)

**B66B 1/3415** (2013.01 - EP ES); **B66B 5/0031** (2013.01 - ES); **B66B 29/00** (2013.01 - EP)

Citation (search report)

- [A] US 6173814 B1 20010116 - HERKEL PETER [DE], et al
- [A] US 2011132696 A1 20110609 - DORSCH ANDREAS [DE], et al

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WO2016156658A1; CN111115401A; CN106698117A; CN110271924A; US11542118B2; US12012307B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 2886499 A1 20150624**; **EP 2886499 B1 20190501**; ES 2538418 A1 20150619; ES 2538418 B1 20160414; ES 2727962 T3 20191021; TR 201908899 T4 20190722

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