

Title (en)
CABLELESS LIFT SYSTEM HAVING REAL-TIME-CAPABLE WIRELESS TRANSMISSION OF SENSOR DATA FROM A POSITION SENSOR

Title (de)
SEILLOSE AUFZUGSANLAGE MIT ECHTZEITFÄHIGER DRAHTLOSER ÜBERTRAGUNG VON SENSORDATEN EINES POSITIONSSENSORS

Title (fr)
SYSTÈME D'ASCENSEUR SANS CÂBLE À TRANSMISSION SANS FIL EN TEMPS RÉEL DE DONNÉES DE DÉTECTION D'UN CAPTEUR DE POSITION

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Application
EP 20829559 A 20201211

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Abstract (en)
[origin: WO2021116438A1] Disclosed is a lift system comprising at least one travel rail (102) arranged in a shaft (120, 405), at least one lift car (110, 400) having a chassis (112, 450), in particular a plurality of lift cars, wherein the chassis (112, 450) can be moved along the travel rail (102) in a direction of travel (F), a linear drive (10) which is designed to move the lift car (110, 400), wherein a plurality of control elements (415-435) of the linear drive (10) are arranged along the travel rail (102), a scale (445) which is arranged in the shaft (120, 405) along the travel rail (102) and is intended to determine the position of the lift car (110, 400) along the travel rail (102), at least one sensor unit (12) which is arranged on the lift car (110) and is designed to transmit sensor signals (14) to the linear drive (10), wherein the linear drive (10) is designed to receive the sensor signals (14) and to move the lift car (110, 400) on the basis of the received sensor signals (14), wherein the sensor signals (14) comprise an item of information (455) relating to the position of the lift car (110, 400) with respect to the scale (445), and a communication device for wirelessly transmitting the sensor signals generated by the at least one sensor unit (12) to the linear drive (10), wherein the sensor signals to be transmitted are modulated with a predefinable modulation frequency before transmission.

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