

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 3971122 A1 20220323 (EN)**

Application  
**EP 20196694 A 20200917**

Priority  
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Abstract (en)  
The invention refers to an elevator (10), comprising:several elevator cars (14a, 14b, 14c, 14d) driving in at least one elevator shaft (12a, 12b);a linear motor (16, 16a, 18, 18a, 22a, 22b, 24, 38, 38a) comprising- a first stator beam structure (16, 18) comprising at least one stator beam (22a,22b) mounted to a support structure (20) of the elevator shaft (12a, 12b) extending in vertical direction, and- at least one mover (24) coupled to each elevator car (14a, 14b, 14c, 14d) and coacting with the first stator beam structure (16, 18) to provide a propulsion force.According to the invention at least one transfer node (26, 28) is arranged along the length and/or at the upper and/or lower end of the first stator beam structure (16, 18). The transfer node (26, 28) comprises at least one vertical stator beam part (16a, 18a, 36a) of the linear motor for receiving the mover (24) of the elevator car (14a, 14b, 14c, 14d). The transfer node (26, 28) is arranged to rotate via a first actuator (30) around a vertical pivot axis (x). This solution allows an easy transfer of an elevator out of an elevator shaft.

IPC 8 full level  
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CPC (source: EP)  
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Citation (applicant)  
• EP 3409631 A1 20181205 - KONE CORP [FI]  
• US 10370221 B2 20190806 - STEINHAUER EDUARD [DE]  
• US 10696521 B2 20200630 - GAINCHE PHILIPPE [DE]

Citation (search report)  
• [XAYI] JP H07157239 A 19950620 - HITACHI METALS LTD, et al  
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• [XAI] US 5235144 A 19930810 - MATSUI NOBUYUKI [JP], et al  
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• [XAI] WO 2020009285 A1 20200109 - HYUNDAI ELEVATOR CO LTD [KR]  
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