

Title (en)  
ELEVATOR SYSTEM WITH DERAIL PROTECTION

Title (de)  
AUFZUGSSCHIENE

Title (fr)  
INSTALLATION D'ASCENSEUR POURVUE DE PROTECTION CONTRE LE DÉRAILLEMENT

Publication  
**EP 3898483 B1 20230412 (DE)**

Application  
**EP 19821132 A 20191219**

Priority  
• EP 18214771 A 20181220  
• EP 2019086382 W 20191219

Abstract (en)  
[origin: WO2020127787A1] Lift rail (2) which serves for guiding cars (3) of a lift system (1). The cars (3) serve, in particular in the form of cabins (4), for transporting people or goods, or as a counterweight (5). The lift rail (2) has more than one guide contour (6). The guide contour (6) is suitable for interacting with a guide shoe (11) such that, in a first horizontal direction (7), a relative horizontal displacement between the guide contour (6) and guide shoe (11) is delimited at least on one side, and that, in a second horizontal direction (8), perpendicular to the first, a relative horizontal displacement between the guide contour (6) and guide shoe (11) is delimited on both sides. The lift rail (2) has a closed-surround cross section. The lift rail (2) has at least three guide contours (6), which are formed on the outer surface of the lift rail (2).

IPC 8 full level  
**B66B 7/02** (2006.01); **B66B 7/04** (2006.01)

CPC (source: EP US)  
**B66B 7/022** (2013.01 - EP US); **B66B 7/024** (2013.01 - US); **B66B 9/00** (2013.01 - US)

Cited by  
WO2023110417A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2020127787 A1 20200625**; AU 2019410394 A1 20210729; AU 2019410394 B2 20230615; BR 112021011302 A2 20210831; CA 3121416 A1 20200625; CN 113242836 A 20210810; CN 113242836 B 20231124; EP 3898483 A1 20211027; EP 3898483 B1 20230412; ES 2944481 T3 20230621; MX 2021007445 A 20210805; SG 11202106078Y A 20210729; US 2023286780 A1 20230914

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