

Title (en)  
RAIL VEHICLE WITH AN ASCENT AID

Title (de)  
SCHIENENFAHRZEUG MIT EINEM AUFSTIEG

Title (fr)  
VÉHICULE FERROVIAIRE AVEC UN DISPOSITIF DE MONTÉE

Publication  
**EP 3793878 B1 20240508 (DE)**

Application  
**EP 19746026 A 20190715**

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Abstract (en)  
[origin: WO2020035247A1] The invention relates to an ascent aid on a rail vehicle (SFZ) which has a vehicle body (FZK), comprising a step (TS) and comprising at least one folding mechanism (KMER, KMAR). The folding mechanism (KMER, KMAR), as seen in the longitudinal direction of the step (TS), is fastened to the step (TS) at one end thereof. The folding mechanism (KMER, KMAR) has two lateral rods (SS11, SS12, SS21, SS22) which connect the step (TS) to the vehicle body (FZK) via hinges (SC11, SC12, SC21, SC22, SC13, SC14, SC23, SC24). The folding mechanism (KMER, KMAR) has a connecting rod (VS1, VS2) which additionally connects one of the lateral rods (SS12, SS21) to the vehicle body (FZK) via hinges (SC15, SC16, SC25, SC26). The connecting rod (VS1, VS2) is split into two parts by a folding hinge (KS1, KS2). The folding hinge (KS1, KS2) is coupled to an action of force in such a way that the action of force on the folding hinge (KS1, KS2) causes the step (TS) to be folded via the hinges (SCxy) between a first position (POS1) and a second position (POS2) with respect to the rail vehicle (SFZ). In the first position (POS1) of the step (TS), an ascent to a driver's cab (FS1, FS2) of the rail vehicle (SFZ) is assisted. In the second position (POS2), the step (TS) is folded in such a way that a predetermined clearance gauge of the rail vehicle (SFZ) is maintained.

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