

Title (en)

ASSEMBLY FOR INCREASING THE LOAD-BEARING CAPACITY OF A STRUCTURAL COMPONENT OF A RAIL VEHICLE

Title (de)

ANORDNUNG ZUR ERHÖHUNG DER BELASTBARKEIT EINES STRUKTURBAUTEILS EINES SCHIENENFAHRZEUGS

Title (fr)

ENSEMBLE POUR AUGMENTER LA CAPACITÉ DE CHARGE D'UN ÉLÉMENT STRUCTURAL D'UN VÉHICULE FERROVIAIRE

Publication

**EP 4069569 B1 20231227 (DE)**

Application

**EP 20824105 A 20201125**

Priority

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Abstract (en)

[origin: WO2021151544A1] The invention relates to an assembly for increasing the load-bearing capacity of a structural component (LOK1) of a rail vehicle, in particular the tensile strength and the compressive strength. The structural component (LOK1) has a first connection point (ASP1) and a second connection point (ASP2), wherein a tensile force (FZ) acting on the first connection point (ASP1) or a compressive force (FD) acting on the first connection point is transmitted to the second connection point (ASP2). A first load path (LPF1) which is designed to transmit the compressive force (FD) is formed between the first connection point (ASP1) and the second connection point (ASP2), and a second load path (LPF2) which is designed to transmit the tensile force (FZ) is formed between the first connection point (ASP1) and the second connection point (ASP2). The first load path (LPF1) and the second load path (LPF2) have different compressive strengths such that the division of the force transmission is achieved by the different compressive strengths.

IPC 8 full level

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