Title (en)

ARRANGEMENT FOR A RAIL VEHICLE

Title (de)

ANORDNUNG FÜR EIN SCHIENENFAHRZEUG

Title (fr)

AGENCEMENT POUR VÉHICULE FERROVIAIRE

Publication

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Application

EP 21762391 A 20210806

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Abstract (en)

[origin: WO2022033989A1] The invention relates to an arrangement (5) for a rail vehicle, having at least one electric hollow-shaft motor with a hollow rotor, and having a wheelset shaft, wherein the wheelset shaft runs through the hollow rotor, and wherein the rotor (12) is separated from the wheelset shaft (20) at least in certain sections by a radial air gap (50) which ensures a mechanical clearance between the wheelset shaft (20) and the rotor (12). It is provided according to the invention that a protective material is arranged in the region of the radial air gap (50) between the rotor (12) and the wheelset shaft (20), which protective material, in the event of failure of a motor fastening (14) of the hollow-shaft motor (10) and subsequent support of the rotor (12) on the wheelset shaft (20), separates the rotor (12) from the wheelset shaft (20), wherein the protective material is softer than the material of the wheelset shaft (20) and softer than at least one material of the rotor (12).

IPC 8 full level

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