

Title (en)
RUNNING GEAR FOR A RAIL VEHICLE

Title (de)
FAHRWERK FÜR EIN SCHIENENFAHRZEUG

Title (fr)
TRAIN ROULANT POUR UN VÉHICULE FERROVIAIRE

Publication
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Application
EP 17710701 A 20170308

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• AT 502242016 A 20160317
• EP 2017055459 W 20170308

Abstract (en)
[origin: WO2017157740A1] The invention relates to a running gear for a rail vehicle, having at least one first wheel pair (2) or at least one first wheelset and having active wheel control or wheelset control. In order to to create advantageous design conditions, according to the invention, at least one actuator unit (4) and at least one passive elastic bearing (5) having frequency-dependent and amplitude-dependent static and increased dynamic stiffness are arranged on the running gear in effective parallel connection with the actuator unit (4), the actuator unit (4), loaded quasi-statically, exerts an actuating function on the position, and in particular on the location of the first wheel pair (2) or the first wheelset, and the elastic bearing (5) couples the first wheel pair (2) or the first wheelset with a dynamic stiffness. The separation between the generation of the dynamic stiffness and the positioning of the first wheel pair (2) or the first wheelset results in the advantage that the actuator unit (4) can be implemented compactly and economically. The actuator unit does not fulfill any safety-critical functions and therefore, in the design and validation of the actuator unit's control and software, no safety-relevant aspects have to be taken into account. This results in a particularly economic solution.

IPC 8 full level
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CPC (source: AT EP)
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Citation (search report)
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