

Title (en)
RUNNING GEAR UNIT FOR A RAIL VEHICLE

Title (de)
FAHRGESTELLEINHEIT FÜR EIN SCHIENENFAHRZEUG

Title (fr)
UNITE DE TRAIN DE ROULEMENT POUR UN VEHICULE FERROVIAIRE

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Application
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Abstract (en)
[origin: EP3159238A1] The present invention relates to a running gear unit for a rail vehicle, comprising a running gear frame unit (104), a traverse unit (109), and a suspension unit (106), in particular, a secondary suspension unit. The running gear frame unit (104) is configured to be supported on at least one wheel unit and defines a longitudinal direction, a transverse direction and a height direction. The traverse unit (109) is configured to support a wagon body (101.1) unit of the rail vehicle. The suspension unit (106) suspends the traverse unit (109) to the running gear frame unit (104). The suspension unit (106) comprises at least one spring unit (110) and at least one pendulum unit (111) arranged kinematically in series in a force flux between the running gear frame unit (104) and the traverse unit (109). The at least one pendulum unit (111) has a first end section with a first articulation (111.3) associated to the running gear frame unit (104) and a second end section with a second articulation (111.4) associated to the traverse unit (109). The first articulation (111.3) and the second articulation (111.4) allow relative motion between the running gear frame unit (104) and the traverse unit (109) in the transverse direction and/or in the longitudinal direction by a pendulum motion of the pendulum unit (111). The first articulation (111.3) and/or the second articulation (111.4) is formed by the at least one spring unit (110).

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