

Title (en)

STEERING MOMENT COMPENSATION DEVICE FOR A STEERABLE OR A SELF-STEERING WHEEL

Publication

EP 0311868 B1 19920102 (DE)

Application

EP 88116345 A 19881003

Priority

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Abstract (en)

[origin: EP0311868A2] The invention relates to a device for the steering moment compensation of a steerable or self-steering, driven or braked rail vehicle wheel, the rotation axis of a gear wheel (20) of a gearing being flush with the swivel axis (10) of the axle journal (11) and this gear wheel (20) intermeshing with a further gear wheel (21) which is connected to the running wheel (12) and the tangential force (F_t), acting in the pitch point (26) of the gear wheels (20) and (21), producing together with the operating pitch circle radius (r_{b1}) of the gear wheel (20) a compensation moment, acting on the axle journal (11), about the swivel axis (10) of the axle journal (11), which moment is directed with identical in size but of opposite direction to the turning moment determined by the wheel circumferential force (F_u) and steering roller radius (r_1). <IMAGE>

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