

Title (en)

MOTOR VEHICLE STEERING AXLE

Title (de)

LENKBARE ACHSE FÜR EIN KRAFTFAHRZEUG

Title (fr)

ESSIEU DIRECTEUR D' UN VEHICULE AUTOMOBILE

Publication

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Application

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Abstract (en)

[origin: WO2005035284A2] The invention relates to a motor vehicle steering axle comprising two longitudinal arms which are connected by means of a cross-member. According to the invention, each of the aforementioned longitudinal arms comprises: a front end which is connected to the body shell using an elastically-deformable articulation means, such as to enable wheel travel in relation to the vehicle shell in the event of longitudinal impacts on the wheel; and a rear end which is connected to a steering knuckle pin using at least one upper articulation means and one lower articulation means, said upper articulation means being elastically deformable in an essentially-longitudinal direction. The invention is characterised in that the steering axle comprises a connecting rod having a first end which is fixed to the steering knuckle pin and a second end which is articulated in relation to the above-mentioned cross-member close to the mid-plane thereof. In this way, the rotation of the steering knuckle pin around an essentially-longitudinal axis passing through the lower articulation means causes the complementary rotation of said steering knuckle pin around an essentially-vertical axis.

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