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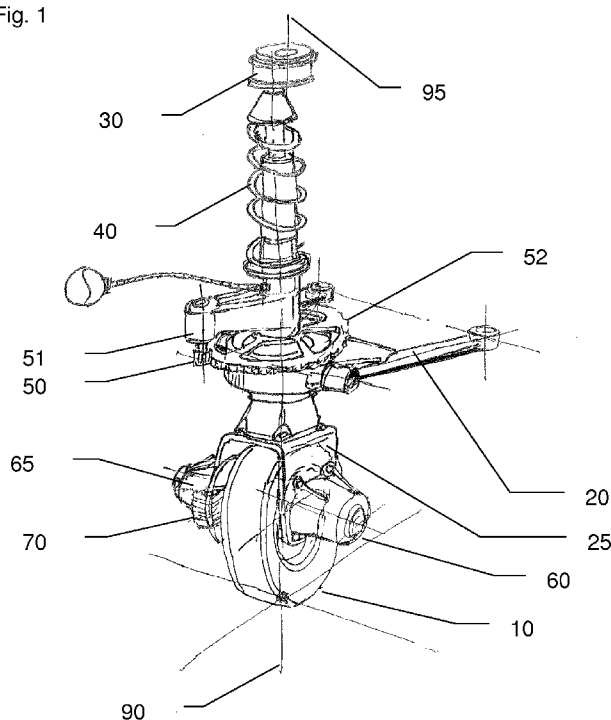
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(54) Title: OMNI-DIRECTIONAL WHEEL ASSEMBLY AND OMNI-DIRECTIONAL VEHICLE

Fig. 1



(57) Abstract: Omni-directional wheel assembly for vehicle comprising a wheel (10) and at least one lower suspension link (20) and an upper attachment joint (30), both being able to be attached to the vehicle, the wheel (10) being able to rotate at 360°, to steer the vehicle, around a pivot line (90) positioned by said at least one lower suspension link (20) and said upper attachment joint (30) once attached to the vehicle, a projection of the pivot line (90) onto a vertical projection plane comprising a vertical axis passing through a contact point between the wheel (10) and ground defining a caster angle with said vertical axis, characterized in that whatever the orientation of the projection plane, the omni-directional wheel assembly comprises adjustment means able to adjust the caster angle within a predetermined range

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