

Title (en)
SUSPENSION ARRANGEMENT FOR WHEELS OF A VEHICLE

Title (de)
AUFHÄNGUNGSANORDNUNG FÜR FAHRZEUGRÄDER

Title (fr)
SYSTÈME DE SUSPENSION POUR LES ROUES D'UN VÉHICULE

Publication
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Application
EP 13761040 A 20130311

Priority
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Abstract (en)
[origin: WO2013135954A1] The object of the invention is a suspension arrangement for wheels of a vehicle, which arrangement comprises an axle system provided with suspension arms (2), which system comprises a coupling part (3) for connecting the axle system to the vehicle, and one wheel (1) at both ends of the axle system, said wheel being configured to be driven with a motor (11) and being supported on the suspension arm (2) from below its axis of rotation. The wheel (1) is supported on the suspension arm (2) with at least three joints (7-9), of which the center axes of the first joint (7) and of the second joint (8) are always on the same straight line as each other and the position of the third joint (9) with respect to the aforementioned straight line and to the second joint (8) changes according to the turning and/or inclining of the wheel (1). The air space of the tyre to be used in the vehicle is composed of air channels that are side by side and separated from each other with a flexible wall material.

IPC 8 full level
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CPC (source: EP FI)
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Citation (search report)
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• [Y] FR 2819752 A1 20020726 - MICHELIN SOC TECH [FR]
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• [A] WO 0032422 A1 20000608 - MARAMBOS FREDERIC [GR]
• See references of WO 2013135954A1

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