

Title (en)
TYRE FOR A VEHICLE

Title (de)
FAHRZEUGREIFEN

Title (fr)
PNEU POUR UN VÉHICULE

Publication
EP 2825397 A4 20160518 (EN)

Application
EP 13760337 A 20130311

Priority
• FI 20125267 A 20120312
• FI 2013050268 W 20130311

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
B60G 3/00 (2006.01); **B60C 3/04** (2006.01); **B60C 5/02** (2006.01); **B60C 5/04** (2006.01); **B60C 5/22** (2006.01); **B60G 3/06** (2006.01); **B60G 7/00** (2006.01); **B60G 9/02** (2006.01); **B60G 17/005** (2006.01); **B60K 7/00** (2006.01); **B60K 17/356** (2006.01)

CPC (source: EP FI)
B60C 3/04 (2013.01 - EP); **B60C 5/22** (2013.01 - EP); **B60G 3/00** (2013.01 - FI); **B60G 3/06** (2013.01 - EP); **B60G 7/001** (2013.01 - EP); **B60G 7/005** (2013.01 - FI); **B60G 9/02** (2013.01 - FI); **B60G 17/005** (2013.01 - FI); **B60K 7/0007** (2013.01 - EP); **B60K 17/356** (2013.01 - EP); **B60G 2200/142** (2013.01 - EP); **B60G 2200/445** (2013.01 - EP); **B60G 2200/46** (2013.01 - EP); **B60G 2204/148** (2013.01 - EP); **B60G 2204/18** (2013.01 - EP); **B60G 2204/30** (2013.01 - EP); **B60G 2300/07** (2013.01 - EP); **B60K 2007/0038** (2013.01 - EP); **B60K 2007/0092** (2013.01 - EP); **B60Y 2200/20** (2013.01 - EP); **B60Y 2200/44** (2013.01 - EP)

Citation (search report)
• [X] WO 0032422 A1 20000608 - MARAMBOS FREDERIC [GR]
• [XI] WO 2011021703 A1 20110224 - BRIDGESTONE CORP [JP], et al
• [XI] EP 2226203 A1 20100908 - BRIDGESTONE CORP [JP]
• [XI] CN 202071636 U 20111214 - LIANGZHI HE
• [XI] DE 1935860 A1 19710128 - DREES PAUL
• [XI] CN 101311007 A 20081126 - JIANYE ZHU [CN]
• [XI] JP 2012041029 A 20120301 - ITO MASAYUKI
• See references of WO 2013135955A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013135954 A1 20130919; EP 2825397 A2 20150121; EP 2825397 A4 20160518; EP 2825402 A1 20150121; EP 2825402 A4 20151111; FI 125664 B 20151231; FI 20125267 A 20130913; WO 2013135955 A2 20130919; WO 2013135955 A3 20131107

DOCDB simple family (application)
FI 2013050267 W 20130311; EP 13760337 A 20130311; EP 13761040 A 20130311; FI 20125267 A 20120312; FI 2013050268 W 20130311