

Title (en)
DETERMINATION OF DYNAMIC AXLE LOADS AND/OR WHEEL LOADS OF A WHEEL VEHICLE

Title (de)
BESTIMMUNG VON DYNAMISCHEN ACHSFASTEN UND/ODER RADLASTEN EINES RADFAHRZEUGES

Title (fr)
DETERMINATION DES CHARGES DYNAMIQUES S'EXERCANT AU NIVEAU DES ESSIEUX ET/OU DES ROUES D'UN VEHICULE A ROUES

Publication
EP 1692025 A1 20060823 (DE)

Application
EP 04820067 A 20041124

Priority
• EP 2004053080 W 20041124
• DE 10358335 A 20031212

Abstract (en)
[origin: DE10358335B3] The arrangement has a measurement device (1) mounted in or for mounting in the vehicle (20) for measuring at least two mutually perpendicular linear accelerations of the vehicle and three rotation rates about orthogonal coordinate axes and an evaluation device (9) combined with the measurement device for using the linear accelerations and rotation rates to determine at least one axle load and/or wheel load. An independent claim is also included for a method of determining dynamic axle loads and/or dynamic wheel loads of wheeled vehicle.

IPC 8 full level
B60T 8/00 (2006.01); **B60K 17/00** (2006.01); **B62D 6/00** (2006.01); **G01G 19/08** (2006.01); **G01L 5/00** (2006.01); **G01L 5/16** (2006.01)

CPC (source: EP KR US)
B60G 17/019 (2013.01 - EP US); **B60K 17/00** (2013.01 - KR); **B60T 8/00** (2013.01 - KR); **G01G 19/086** (2013.01 - EP US); **G01L 5/00** (2013.01 - KR); **B60G 2400/0521** (2013.01 - EP US); **B60G 2400/0522** (2013.01 - EP US); **B60G 2400/0523** (2013.01 - EP US); **B60G 2400/102** (2013.01 - EP US); **B60G 2400/104** (2013.01 - EP US); **B60G 2400/106** (2013.01 - EP US); **B60G 2400/61** (2013.01 - EP US); **B60G 2800/702** (2013.01 - EP US); **B60T 2230/03** (2013.01 - EP US); **B60T 2240/06** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
DE 10358335 B3 20050525; CN 100422007 C 20081001; CN 1890140 A 20070103; EP 1692025 A1 20060823; KR 101168443 B1 20120725; KR 20070007042 A 20070112; US 2007078593 A1 20070405; US 7340368 B2 20080304; WO 2005056358 A1 20050623

DOCDB simple family (application)
DE 10358335 A 20031212; CN 200480036873 A 20041124; EP 04820067 A 20041124; EP 2004053080 W 20041124; KR 20067013937 A 20041124; US 59636304 A 20041124