

Title (en)

Method for determining the longitudinal tilting moment of industrial trucks

Title (de)

Verfahren zur Bestimmung des Kippmoments in Längsrichtung für Flurförderzeuge

Title (fr)

Procédé de détermination du moment de bascule dans la direction longitudinale pour des chariots de manutention

Publication

EP 2607295 B1 20150729 (DE)

Application

EP 12191745 A 20121108

Priority

DE 102011056752 A 20111221

Abstract (en)

[origin: EP2607295A1] The method involves determining a vehicle weight torque from the lever arm of a vehicle center of gravity (15) of the vehicle body without lift frame and without load and the weight force of the vehicle center of gravity. A tilt supporting torque is determined from retaining forces in the tilt supporting points (14), in the direction of the retaining forces (F-zyl) and lever arm (l-zyl) of the front axle perpendicular to the retaining forces. A lifting gear bearing torque is derived from an active lever arm (l-A) of the lifting gear bearing points (13).

IPC 8 full level

B66F 9/08 (2006.01); **B66F 17/00** (2006.01)

CPC (source: EP)

B66F 17/003 (2013.01); **B66F 9/082** (2013.01)

Cited by

US2022267131A1; EP3050840A1; US9630822B2; EP2829854A1; JP2015028480A; CN104340104A; AU2014206206B2; EP3875922A1

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