Title (en)

METHOD OF MODELLING A TYRE IN RUNNING CONDITIONS AT A PREDEFINED SPEED

Title (de)

VERFAHREN ZUR MODELLIERUNG EINES REIFENS UNTER FAHRTBEDINGUNGEN BEI VORDEFINIERTER GESCHWINDIGKEIT

Title (fr)

PROCÉDÉ DE MODÉLISATION D'UN PNEUMATIQUE EN SITUATION DE ROULEMENT À UNE VITESSE DÉTERMINÉE

Publication

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Application

EP 14759016 A 20140723

Priority

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Abstract (en)

[origin: WO2015015097A1] The present invention relates to a method of modelling a tyre in running conditions at a predefined speed, the tyre being subjected to a downward load (Fz) representative of a vehicle and to a transverse thrust force (Fy) and the tyre being inclined relative to the vertical by a camber angle (y), the method comprising the modelling of the tilting torque (Mx) exerted on said tyre in which the tilting torque (Mx) is the sum of at least: • a torque (Mx1) generated by offsetting the load of the vehicle by the camber angle; · a torque (Mx2) generated by the transverse thrust force; • a torque (Mx3) generated by the reaction of the ground (FR) under the load (Fz) decentred from the reference point (C) of the tyre by the transverse thrust force (Fy).

IPC 8 full level

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Citation (search report)

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