

Title (en)

METHOD FOR CHARACTERIZING THE BEHAVIOR OF A VEHICLE AND USE IN THE SELECTION OF THE TIRES OF THE VEHICLE

Title (de)

VERFAHREN ZUR CHARAKTERISIERUNG DES VERHALTENS EINES FAHRZEUGS UND VERWENDUNG BEI DER AUSWAHL DER REIFEN DES FAHRZEUGS

Title (fr)

PROCEDE DE CARACTERISATION DU COMPORTEMENT D'UN VEHICULE ET APPLICATION AU CHOIX DES PNEUMATIQUES DU VEHICULE

Publication

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Application

EP 14701576 A 20140129

Priority

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Abstract (en)

[origin: WO2014118214A1] The invention relates to a method for characterizing the behavior of a given vehicle including a body, at least one wheel (14) including a given disk, wheel rim and tire, and at least one suspension device (80) connecting the wheel (14) to the body, characterized in that: (A) for a configuration of the suspension device and of the given wheel, a subjective test of the behavior of said vehicle is carried out in order to determine whether or not said behavior of said vehicle is acceptable; (B) the configuration of said suspension device and of said wheel is changed so as to scan the respective values of the side force F_y and side drift D_y pair of said wheel traveling in a straight line at a given stabilized speed, and, for each tested configuration of said suspension device, the characterization step (A) is carried out again; (C) for each tested configuration of the suspension device, the pair of side force F_y and side drift D_y values of said wheel traveling in a straight line is determined; and, (D) in the plane F_y , D_y the areas Z of acceptable behavior of said vehicle are determined.

IPC 8 full level

G01M 17/04 (2006.01); **G01M 17/06** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2014118214A1

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