

Title (en)

PROCESS FOR INFLUENCING THE PARAMETERS OF A CAR'S DYNAMIC BEHAVIOUR

Title (de)

VERFAHREN ZUR BEEINFLUSSUNG FAHRDYNAMISCHER GRÖSSEN

Title (fr)

PROCEDE PERMETTANT D'INFLUER SUR LES PARAMETRES DU COMPORTEMENT DYNAMIQUE D'UNE VOITURE

Publication

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Application

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Priority

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- EP 9702207 W 19970429

Abstract (en)

[origin: DE19617051A1] In order to set the brake or drive slip of a wheel at the maximum of the coefficient of friction-slip curve, the sensor associated with each wheel to sense its speed of rotation must be in a state of operation. Otherwise it is not possible to ascertain the slip of the wheel. In order to ensure an emergency function which makes it possible to influence the parameters of a car's dynamic behaviour even when a wheel sensor breaks down, a two-point regulation is carried out when a wheel sensor is defective. A first working point (A) lies at a longitudinal slip equal to 0, a second working point (B) at a longitudinal slip of 100 %. Without a longitudinal slip, side forces can be transmitted to their maximum, whereas at 100 % longitudinal slip longitudinal forces can still be transmitted almost to their maximum.

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CPC (source: EP US)

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