

Title (en)

METHOD AND DEVICE FOR DETERMINING EXACT VELOCITY OF A ROTATING COMPONENT ESPECIALLY THE VELOCITY OF A MOTOR VEHICLE WHEEL

Title (de)

VERFAHREN UND ANORDNUNG ZUR GENAUEN BESTIMMUNG DER GESCHWINDIGKEIT EINES UMLAUFENDEN BAUTEILES, INSBESONDERE DER GESCHWINDIGKEIT EINES FAHRZEUGGRADES

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER AVEC PRECISION LA VITESSE D'UN COMPOSANT ENTRAINE EN ROTATION, NOTAMMENT LA VITESSE D'UNE ROUE D'UN VEHICULE

Publication

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Application

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Abstract (en)

[origin: WO9910747A1] The invention relates to a method for determining exact velocity of a rotating component, especially the velocity of a motor vehicle wheel, in which existing inconsistencies are scanned along the circumference of the rotating component and the temporal occurrence of discontinuities in velocity are determined. During the method for determining exact velocity of a rotating component, the dynamics of the rotating component are reliably determined despite manufacturing tolerances of incremental disk and eccentricity of the rotating component. According to the invention, an adjustment value is determined from the actual distribution of the discontinuities on the rotating component, said value being used to determine the corrected velocity.

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