Title (en)

METHOD AND DEVICE FOR DETECTING ERRORS IN THE SIGNALS OF A SYSTEM FOR MONITORING THE ROTATION OF A SHAFT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERKENNUNG VON FEHLERN IN DEN SIGNALEN EINER VORRICHTUNG ZUR ÜBERWACHUNG DER DREHBEWEGUNG EINER WELLE

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION D'ERREURS DANS LES SIGNAUX D'UN SYSTEME DE SURVEILLANCE DU MOUVEMENT ROTATIF D'UN ARBRE

Publication

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Application

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Abstract (en)

[origin: WO0111375A1] The invention relates to a method and a device for detecting errors in a system for measuring the rotation of a shaft (12). For that purpose, said device (60) comprises measuring means (22) for recording a first signal and a second phase shift signal (24, 26), and operating means (62) comprising a comparator for comparing instantaneous values of the first and second signals (24, 26) on the basis of a predetermined geometrical relation. When the operation is correct, the sum of the squares of said two signals is constant. Alternatively, authorised combinations of signal values can be stored in a table.

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