

Title (en)

DEVICE WITH REDUNDANT CHANNELS BETWEEN A SENSOR UNIT AND AN ANALYSIS UNIT

Title (de)

VORRICHTUNG MIT REDUNDANTEN KANÄLEN ZWISCHEN EINER SENSOREINRICHTUNG UND EINER AUSWERTEEINRICHTUNG

Title (fr)

DISPOSITIF AVEC CANAUX REDONDANTS ENTRE UN DISPOSITIF DETECTEUR ET UN DISPOSITIF D'EVALUATION

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Application

EP 98934926 A 19980608

Priority

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Abstract (en)

[origin: DE19725058A1] The invention relates to a device for the reliable analysis of measurement results obtained by sensing, characterized in that it makes isochronous use of several independent measuring channels (10, 11) with several independent measurement ranges which are supplied with signals by a shared yaw rate measuring element. The advantages of the invention are essentially as follows: only one expensive yaw rate measuring element is required which parallelly supplies different vehicle systems with measurement data. In the cross-over zone of the measurement ranges the measurement ranges of different systems can be used simultaneously for mutual monitoring (redundancy function). Lastly, identical measurement channels can be run redundantly on an additional or exclusive basis and thus improve the operating safety of the vehicle system.

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B60T 8/88

IPC 8 full level

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