

Title (en)
METHOD AND DEVICE FOR TRANSMITTING SENSOR OUTPUT SIGNALS BETWEEN SENSORS WORKING IN ASYNCHRONOUS MODE AND THEIR RESPECTIVE DATA PROCESSING UNITS

Title (de)
VERFAHREN UND EINRICHTUNG ZUR ÜBERTRAGUNG VON SENSORAUSGANGSSIGNALEN ZWISCHEN ASYNCHRON ARBEITENDEN SENSOREN UND IHREN JEWEILIGEN DATENVERARBEITUNGSEINHEITEN

Title (fr)
PROCEDE ET DISPOSITIF POUR TRANSMETTRE DES SIGNAUX DE SORTIE DE DETECTEURS ENTRE DES DETECTEURS FONCTIONNANT EN MODE ASYNCHRONE ET LEUR UNITE DE TRAITEMENT DE DONNEES CORRESPONDANTE

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Abstract (en)
[origin: DE19734248A1] The invention relates to a method and corresponding circuit for pulse redistribution of pwm sensor output data (pi), for example from inertial sensors. The method is characterized in that the scanning interval (s2) of a data processing device, which processes the output signals of one or more sensors, is independent of the length and of the phase position of the limit cycle (s1) or limit cycles (s1) of the sensor(s). In addition, a range transfer of sensors having different working ranges is possible, irrespective of the scanning interval of the data processing device. As a result, incorrect sensor output data can be easily recognized.

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