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EMBARKED SYSTEM USED TO ACQUIRE AND PROCESS THE EXPERIMENTAL DATA OF HYBRID PROPULSION CARS

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Abstract

Due to the specific of cars' road measuring tests done for dynamic and fuel consumption determination it is needed devices with parameters different form those used for lab tests. More, for researches done to set and define a new mixed traction solution, there is an increase in the number and nature of the measured data by dedicated device. Purchase of a standardized device is not always justified and not for all the measurements there are devices to be used for cars' road tests.

In this paper the authors present the solution adopted and realized within the "Automotive Engineering" Research Center and the Laboratory for Cars' Tests: a car fitted on with hybrid propulsion. The researches were financed by the CNCSIS no.956/2006-2007 research contract.

Keywords

Hybrid propulsion, data acquisition, embarked system, dynamic parameters.