

Title (en)

CIRCUIT ARRANGEMENT AND VEHICLE COMPRISING A TWO CONDUCTOR MEASURING DEVICE AND METHOD FOR TESTING THE SAME

Title (de)

SCHALTUNGSANORDNUNG UND VERKEHRSMITTEL BEINHALTEND EIN ZWEI-LEITER-MESSGERÄT SOWIE VERFAHREN ZU DESSEN PRÜFUNG

Title (fr)

CIRCUIT ET VEHICULE COMPRENANT UN APPAREIL DE MESURE EN TECHNIQUE DEUX FILS ET PROCEDE D'ESSAI DE CET APPAREIL

Publication

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Application

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Priority

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- EP 00110818 A 20000522

Abstract (en)

[origin: EP1158476A1] The inventive two conductor measuring device (MS) is intended for use in a means of transport, especially in a ship, and is supplied on-board with a current of a current loop, which originates from a source circuit (Q). Said source circuit is certified in accordance with a valid standard IEC-1000-4-5, especially in accordance with standard IEC-1000-4-5:1995, is supplied with power by a primary vehicle electrical system (NP) of the means of transport, and serves to supply a secondary vehicle electrical system (NS) with power. The two conductor measuring device (MS) is designed in such a way that it can not be certified for an electromagnetic compatibility in accordance with valid standard IEC-1000-4-5. During a method for testing the two conductor measuring device (MS) for electromagnetic compatibility, a hybrid generator, especially in accordance with standard IEC-60-1 or IEC 469-1, is used for generating a current/voltage surge. A decoupling network for simulating the source circuit (Q) is connected in outgoing circuit to the hybrid generator. A two conductor measuring device (MS), which does not satisfy the test specifications of the standard IEC-1000-4-5:1995, is connected in outgoing circuit to said decoupling network, and a type of approval for use on the secondary vehicle electrical system (NS) is granted to other two conductor measuring devices of the same type when the tested two conductor measuring device has withstood the test.

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