Title (en)
METHOD AND DEVICE FOR ANALYZING ELECTRIC CABLE NETWORKS

Title (de)
VERFAHREN UND EINRICHTUNG ZUM ANALYSIEREN VON ELEKTRISCHEN KABELNETZEN

Title (fr)
PROCEDE ET DISPOSITIF D'ANALYSE DE RESEAUX DE CABLES ELECTRIQUES

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Application
EP 07787124 A 20070705

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Abstract (en)
[origin: WO2008009566A2] The invention concerns a method and a device for analyzing electric cable networks, in order to detect and localize errors in the networks comprising at least one junction forming the origin of N secondary cable sections. The method contains the following steps: - interposition of a corresponding bidirectional passive filter (FR2, FR3) in series at the entrance of each of the secondary sections (T2, T3) starting at the junction (A), within the network, which filter is suitable for cutting a corresponding frequency range associated to said section, wherein all of the filters allow for passing of the frequencies which are useful for the normal operation of the network - application, at the entrance of the network, of an impulse test signal modulated by N different carrier frequencies, each of which is situated in one of the N frequency ranges of the filters - detection of the temporary position of reflected test signal peaks for each of the N frequencies and thus deduction of the position of possible errors on a network cable section.

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