

Title (en)

METHOD FOR MARKING BUNDLES OF POWER LINES FOR DIAGNOSIS BY REFLECTOMETRY AND CORRESPONDING KIT

Title (de)

VERFAHREN ZUR MARKIERUNG VON BÜNDELN VON STROMLEITUNGEN ZUR DIAGNOSE MITTELS REFLEKTOMETRIE UND ZUGEHÖRIGES KIT

Title (fr)

PROCÉDÉ DE MARQUAGE DE FAISCEAUX DE LIGNES ÉLECTRIQUES POUR LE DIAGNOSTIC PAR RÉFLECTOMÉTRIE ET KIT CORRESPONDANT

Publication

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Application

EP 15733849 A 20150619

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Abstract (en)

[origin: CA2952853A1] The invention relates to a method for diagnosis by reflectometry of a bundle of power lines comprising an input point and a plurality of branches, including the following steps: inserting (S50) electric markers having different frequency characteristics onto the branches of the bundle; injecting (S52) a test signal into the bundle from the input point; receiving (S54) a set of reflected signals produced by reflections of the test signal in the branches; analysing all the reflected signals by identifying the markers and by assigning (S56) each reflected signal to one of the branches according to the frequency characteristic of the marker inserted onto said branch; and identifying the presence/absence of a defect in said branch by comparing (S58) the reflected signal assigned to said branch with a reflected signal model obtained by modelling the reflection of the test signal in said branch in the absence of any defect in said branch.

IPC 8 full level

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