Title (en)

METHOD OF CHARACTERIZING A SECTION OF A TRANSMISSION LINE, IN PARTICULAR SECTION CORRESPONDING TO A CONNECTOR OR SERIES OF CONNECTORS LINKING A MEASUREMENT APPARATUS TO A CABLE

Title (de)

VERFAHREN ZUR CHARAKTERISIERUNG EINES ABSCHNITTS EINER ÜBERTRAGUNGSLEITUNG, INSBESONDERE EINES ABSCHNITTS IM ZUSAMMENHANG MIT EINEM VERBINDER ODER EINER REIHE VON VERBINDERN ZUR VERBINDUNG EINER MESSVORRICHTUNG MIT EINEM KABEL

Title (fr)

PROCEDE DE CARACTERISATION D'UN TRONÇON D'UNE LIGNE DE TRANSMISSION, EN PARTICULIER TRONÇON CORRESPONDANT A UN CONNECTEUR OU UNE SERIE DE CONNECTEURS RELIANT UN EQUIPEMENT DE MESURE A UN CABLE

Publication

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Application

EP 16714816 A 20160325

Priority

- FR 1552628 A 20150327
- EP 2016056692 W 20160325

Abstract (en)

[origin: WO2016156259A1] Method of characterizing a section (102) of a transmission line, a reference signal being injected into the line and a temporal measurement (301) of the reflection of said reference signal in the line being carried out, said method comprising the following steps: applying a step of deconvolution (302) to said temporal measurement so as to generate a deconvolved temporal sequence comprising a plurality of amplitude spikes each corresponding to an impedance discontinuity, eliminating (303), in the amplitude of at least one spike obtained, the contribution of at least one secondary reflection of the signal on an impedance discontinuity, deducing, from the temporal position of each spike, a position of an associated impedance discontinuity in said line section, deducing (304), from the amplitude of each spike, an estimate of the real part of the reflection coefficient of a wave reflected on each impedance discontinuity identified.

IPC 8 full level

G01R 31/11 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016156259A1

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