

Title (en)

SINGLE ENDED MEASUREMENT METHOD AND SYSTEM FOR DETERMINING SUBSCRIBER LOOP MAKE UP

Title (de)

EINSEITIG BEENDETES MESSVERFAHREN ZUR ERMITTLUNG DER SCHEIFENKONFIGURATION EINES TEILNEHMERS

Title (fr)

SYSTEME ET PROCEDE DE MESURES ASYMETRIQUES SERVANT A DETERMINER LA CONSTITUTION D'UNE BOUCLE D'ABONNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0101158A1] A method and system for determining the make-up of a subscriber loop (220) comprising sending pulses onto a loop and acquiring data based on received echo signals. Determining (7301) from the received echoes each discontinuity on the loop and, based on each discontinuity, determining a channel transfer function (7305) for each loop section preceding the discontinuity. The transfer function is then used to synthesize an inverse filter (7309). The inverse filter and acquired data are convolved for all the loop sections preceding the discontinuity (7313). The method may be further improved by modeling real and spurious echoes and subtracting these echoes from the echoes generated in the loop.

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