

Title (en)

METHOD AND DEVICE FOR DETERMINING PROPERTIES OF SOIL BY MEANS OF TRANSMISSION PROPERTIES OF AN OVERHEAD LINE,
E.G. AN OVERHEAD ELECTRIC CABLE

Title (de)

VERFAHREN UND EINE VORRICHTUNG ZUR BESTIMMUNG VON EIGENSCHAFTEN DES ERDREICHS ANHAND DER
TRANSMISSIONSEIGENSCHAFTEN EINER OBERIRDISCH GEFÜHRTEN LEITUNG, Z.B. EINER ÜBERLANDSTROMLEITUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER DES PROPRIETES DE LA TERRE AU MOYEN DES PROPRIETES DE TRANSMISSION
D'UNE LIGNE AERIENNE, PAR EXEMPLE D'UNE LIGNE AERIENNE DE TRANSPORT D'ENERGIE

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Application

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Abstract (en)

[origin: WO2004046702A1] The invention relates to a method for determining properties of soil, especially the humidity content thereof. Said method comprises the following steps: a temporary or permanent electromagnetic field is generated in at least one electroconductive overhead line by applying an alternating voltage, in such a way that the at least one field penetrates the soil; at least the running time of the wave packet used to generate the temporary electromagnetic field, or a change in the alternating voltage parameters of the field between at least two points interspaced in the longitudinal direction of the overhead line, is measured; and the at least measured running time and/or the measured change in the alternating voltage parameters between the at least two points in the at least one electroconductive overhead line are compared with standard values.

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DOCDB simple family (publication)

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