

Title (en)

METHOD AND SYSTEM FOR TRANSMITTING DATA OVER A LOW-VOLTAGE ELECTRICITY SUPPLY NETWORK

Title (de)

VERFAHREN UND ANORDNUNG FÜR DIE ÜBERTRAGUNG VON DATEN ÜBER EIN NIEDERSpannungs-STROMVERSORGUNGSNETZ

Title (fr)

PROCEDE ET DISPOSITIF POUR TRANSMETTRE DES DONNEES PAR L'INTERMEDIAIRE D'UN RESEAU DE DISTRIBUTION ELECTRIQUE BASSE TENSION

Publication

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Application

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Abstract (en)

[origin: WO0193452A1] The invention relates to a low-voltage electricity supply network comprising a first conductor (1) and a second conductor (2) that are parallelly arranged in the manner of a double line in an area, which is provided for transmitting data, of the low-voltage electricity supply network. In order to transmit data, a carrier signal is generated in a push-pull mode between the first conductor (1) and the second conductor (2), whereby the frequency of this carrier signal lies essentially over the network frequency. In addition, symmetrical impedances in both conductors are ensured in the network area provided for transmitting data. This results in achieving an electromagnetic shielding of the network area.

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