Title (en)

METHOD FOR TRANSFERRING DATA BETWEEN AN AUTOMATION FIELD DEVICE AND A COMMUNICATION BOX

Title (de)

VERFAHREN ZUR DATENÜBERTRAGUNG ZWISCHEN EINEM FELDGERÄT DER AUTOMATISIERUNGSTECHNIK UND EINER KOMMUNIKATIONSBOX

Title (fr)

PROCÉDÉ DE TRANSMISSION DE DONNÉES ENTRE UN APPAREIL DE TERRAIN EN TECHNIQUE D'AUTOMATISATION ET UNE BOÎTIER DE COMMUNICATION

Publication

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Application

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Priority
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Abstract (en)

[origin: WO2018068941A1] The invention relates to a method for transferring data between an automation field device (2) and a communication box (4), wherein the method comprises the following steps: voltage modulation of the supply voltage (Uv) of the field device (2) by the communication box (4) such that a first communication signal (5) is produced and the supply voltage (Uv) has the first communication signal (5); demodulation of the first communication signal (5) from the supply voltage (Uv) applied to the field device (2) by means of the two-wire line (3) such that the first communication signal (5) is separated from the supply voltage (Uv); current modulation of an output current (IA) of the field device by the field device (2) such that a second communication signal (6) is produced and the output current (IA) has the second communication signal (6); demodulation of the second communication signal (6) from the output current (IA) by the communication box (4) such that the second communication signal (6) is separated from the output current (IA).

IPC 8 full level

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