

Title (en)

EXCHANGING OF A PROGRAMMABLE LOGIC CONTROLLER

Title (de)

AUSTAUSCH EINER SPEICHERPROGRAMMIERBAREN STEUERUNG

Title (fr)

ÉCHANGE D'UN CONTRÔLEUR LOGIQUE PROGRAMMABLE

Publication

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Application

EP 22718673 A 20220328

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Abstract (en)

[origin: WO2022228797A1] The invention relates to a method for exchanging a first programmable logic controller (26) that performs a control function by running through a process cycle (30) consisting of multiple successive process steps (32, 34, 36, 38). For this purpose, provision is made for the first programmable logic controller (26) and a further programmable logic controller (28) as network subscribers of a network (10). Data are transferred between network subscribers of the network (10) in accordance with a communication cycle (14) defined in a communication scheme (12) and consisting of successive time intervals (16, 18, 20, 22, 24). The communication cycle (14) is additionally synchronized with the process cycle (30) such that transfer information is output to the further programmable logic controller (28) by the first programmable logic controller (26) during a time interval (20) of a first kind of the communication cycle (14). After the transfer information has been read in by the further programmable logic controller (28), the control function is performed by this further programmable logic controller (28) instead of the first programmable logic controller (26).

IPC 8 full level

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