Title (en)

METHOD AND DEVICE FOR SECURING COMMUNICATION BETWEEN AT LEAST ONE FIRST COMMUNICATION DEVICE AND AT LEAST ONE SECOND COMMUNICATION DEVICE, IN PARTICULAR WITHIN A COMMUNICATION NETWORK OF AN INDUSTRIAL PRODUCTION AND/OR AUTOMATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHUTZ EINER KOMMUNIKATION ZWISCHEN MINDESTENS EINER ERSTEN KOMMUNIKATIONSEINRICHTUNG UND WENIGSTENS EINER ZWEITEN KOMMUNIKATIONSEINRICHTUNG INSBESONDERE INNERHALB EINES KOMMUNIKATIONSNETZWERKES EINER INDUSTRIELLEN FERTIGUNG UND/ODER AUTOMATISIERUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PROTECTION D'UNE COMMUNICATION ENTRE AU MOINS UN PREMIER DISPOSITIF DE COMMUNICATION ET AU MOINS UN DEUXIÈME DISPOSITIF DE COMMUNICATION, EN PARTICULIER DANS UN RÉSEAU DE COMMUNICATION D'UNE PRODUCTION ET/OU AUTOMATISATION INDUSTRIELLE

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Application

EP 18727176 A 20180509

Priority

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- EP 2018061970 W 20180509

Abstract (en)

[origin: WO2018215209A1] The invention relates to a communication network having at least one network element (NE), via which data associated with the communication are conducted. The method comprises the following steps: securing, by means of a first cryptographic security function, the data (D) that are transferred from at least one first communication device (PLC1) to at least one second communication device (PLC2), providing a second cryptographic security function, which secures, between a communication device and a network element, messages that are conducted from the first communication device to the at least second communication device via the at least one network element and that contain the data, providing a checking function by means of the at least one network element, which checking function checks the authenticity and/or integrity of the messages on the basis of the second security function, continuing (6) or stopping (5) the communication in accordance with the result of the check (4) by the checking function, wherein, if the communication is continued, the data remain secured by means of the first security function until the data are received by the at least second communication device.

IPC 8 full level

H04L 29/06 (2006.01)

CPC (source: EP US)

H04L 9/0833 (2013.01 - EP US); **H04L 9/14** (2013.01 - EP); **H04L 9/3242** (2013.01 - EP); **H04L 63/0464** (2013.01 - EP); **H04L 63/0478** (2013.01 - EP US); **H04L 63/123** (2013.01 - EP US); **H04L 63/126** (2013.01 - EP); **H04L 67/12** (2013.01 - US); H04L 9/3242 (2013.01 - US)

Citation (search report)

See references of WO 2018215209A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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