

Title (en)

METHOD FOR AUTOMATICALLY ADAPTING THE INTERNAL CONFIGURATION OF AN EXTERNAL NETWORK INTERFACE, COMPUTER PROGRAM PRODUCT AND DEVICE

Title (de)

VERFAHREN ZUR AUTOMATISCHEN ANPASSUNG DER INTERNEN KONFIGURATION EINER EXTERNEN NETZWERKSCHNITTSTELLE, COMPUTERPROGRAMMPRODUKT UND VORRICHTUNG

Title (fr)

PROCÉDÉ D'ADAPTATION AUTOMATIQUE DE LA CONFIGURATION INTERNE D'UNE INTERFACE DE RÉSEAU EXTERNE, PRODUIT-PROGRAMME INFORMATIQUE ET DISPOSITIF

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Application

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Abstract (en)

[origin: WO2023001437A1] The invention relates to a method, to a computer program product and to a system for automatically adapting the internal configuration of an external network interface in an industrial automation system. Users of Industrial Edge devices increasingly often also want to use corresponding applications that have direct Layer 2 network access. However, if these applications are encapsulated in what are known as containers, configuring the interfaces requires special knowledge that goes beyond the domain knowledge of a person skilled in the art. The method, and the device, proposed by the invention are aimed at providing a solution to the problem addressed. The described method advantageously dispenses industrial users from having to acquire deeper IT knowledge about the different names of network interfaces and the Edge-internal virtual network. It is proposed to implement the method according to the invention in the form of a (logic) "intermediate layer" that converts the network parameters visible to the user, from the user's perspective, to the respectively applicable specific network interfaces using the Edge-internal virtual network topology.

IPC 8 full level

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