

Title (en)

METHOD FOR SAFELY COUPLING AN EXTERNAL VOLTAGE NETWORK TO A SERVICE VOLTAGE NETWORK AND CIRCUIT CONFIGURATION FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR SICHEREN ANKOPPLUNG EINES FREMDSPANNUNGSNETZES AN EIN BETRIEBSSPANNUNGSNETZ UND SCHALTUNGSANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE COUPLAGE FIABLE D'UN RESEAU DE DISTRIBUTION DE COURANT EXTERIEUR A UN RESEAU DE TENSION DE SERVICE ET CIRCUITERIE APPROPRIEE POUR METTRE LEDIT PROCEDE EN OEUVRE

Publication

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Application

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Abstract (en)

[origin: WO0124341A1] The invention relates to a method for safely coupling an external voltage network to a service voltage network. The aim of the invention is to prevent damages caused by inadmissibly high currents or different voltages when two networks are coupled. To this end, a switch (Q2) is interposed between the service voltage network (BN) and a connector (VK), said switch being controlled by a control unit (SE). The switch (Q2) is only closed when the voltage networks are compatible. Once the switch (Q2) is closed, the current (I) that flows is measured. If the value remains below a threshold value, the switch is opened. The circuit configuration is used to carry out the inventive method. For example, two vehicles are coupled to carry out an emergency start. In a preferred embodiment, the controlled switch (Q2) is a relay.

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