

Title (en)

METHOD FOR REDUNDANT COMMUNICATION BETWEEN A USER TERMINAL AND A CONTROL SYSTEM SERVER

Title (de)

VERFAHREN ZUR REDUNDANTEN KOMMUNIKATION ZWISCHEN EINEM NUTZER-TERMINAL UND EINEM LEITSYSTEM-SERVER

Title (fr)

PROCÉDÉ DE COMMUNICATION REDONDANTE ENTRE UN TERMINAL D'UTILISATEUR ET UN SERVEUR DE SYSTÈME DE GESTION

Publication

**EP 2764665 A1 20140813 (DE)**

Application

**EP 12786864 A 20121022**

Priority

- DE 102011086726 A 20111121
- EP 2012070840 W 20121022

Abstract (en)

[origin: WO2013075895A1] This invention relates to a method for redundant communication between a user terminal (210, 220) and a control system server (300) for an automation system (100), wherein the automation system (100) comprises a controller (400) for automatically controlling an installation or a device (500) and the control system server (300) is set up and designed to configure, engineer, operate and/or monitor the controller (400). Furthermore, the user terminal (210, 220) comprises a first (212, 222) and a second terminal interface (214, 224) for communicating with the control system server (300) via at least one communication network (250, 252, 260), the control system server (300) comprises a first (312) and a second server interface (314) for communicating with the user terminal (210, 220) via the at least one communication network (250, 252, 260), and a first terminal message containing terminal payload for configuring, engineering, operating and/or monitoring the controller (300) is sent to the control system server (300) via the first terminal interface (212, 222), and a second terminal message containing the terminal payload is sent to the control system server (300) via the second terminal interface (214, 224). The control system server (300), after receipt of a new terminal message, checks whether it has already received a terminal message containing the same payload and rejects the new terminal message if it has already received and saved a terminal message containing the same payload or saves and further processes the new terminal message if it has not yet received a terminal message containing the same payload.

IPC 8 full level

**H04L 12/40** (2006.01); **H04L 12/437** (2006.01)

CPC (source: EP)

**G05B 19/4185** (2013.01); **H04L 12/40189** (2013.01); **H04L 67/125** (2013.01); **H04L 69/40** (2013.01); **H04L 2012/4026** (2013.01)

Citation (search report)

See references of WO 2013075895A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102011086726 A1 20130523**; **DE 102011086726 B4 20140403**; EP 2764665 A1 20140813; WO 2013075895 A1 20130530

DOCDB simple family (application)

**DE 102011086726 A 20111121**; EP 12786864 A 20121022; EP 2012070840 W 20121022