Title (en)
METHOD FOR ISOLATING SPECIAL FUNCTIONALITIES IN FIELD DEVICES USED IN AUTOMATION TECHNOLOGY

Title (de)
VERFAHREN ZUM FREISCHALTEN VON SONDERFUNKTIONALITÄTEN BEI FELDGERÄTEN DER AUTOMATISIERUNGSTECHNIK

Title (fr)
PROCÉDÉ POUR DÉCONNECTER DES FONCTIONNALITÉS PARTICULIÈRES DANS DES APPAREILS DE TERRAIN EN TECHNIQUE D'AUTOMATISATION

Publication
EP 2047341 A1 20090415 (DE)

Application
EP 07786901 A 20070628

Priority
• EP 2007056510 W 20070628
• DE 102006035526 A 20060727

Abstract (en)
[origin: WO2008012164A1] Disclosed is a method for isolating special functionalities in field devices used in automation technology. In said method, an isolation code (FSC) which is encoded by means of a private key (PrK) and contains an isolation option x and field device-specific data (SN') is transmitted to a field device. The isolation code (FSC) is decoded by means of a public key (PuK) that is stored in the field device. The field device-specific data (SN') contained in the isolation code (FSC) is then compared to data (SN) stored in the field device. If said two pieces of data (SN' and SN) match, the isolation option x contained in the isolation code (FSC) is determined, and the respective special functionality is isolated. The disclosed method allows special functionalities to be securely isolated in field devices.

IPC 8 full level
G05B 19/042 (2006.01); **G05B 19/418** (2006.01)

CPC (source: EP US)
G05B 19/0428 (2013.01 - EP US); **G05B 19/4185** (2013.01 - EP US); G05B 2219/24165 (2013.01 - EP US); G05B 2219/24167 (2013.01 - EP US); G05B 2219/25428 (2013.01 - EP US); G05B 2219/31121 (2013.01 - EP US); Y02P 90/02 (2015.11 - EP US)

Citation (search report)
See references of WO 2008012164A1

Citation (examination)
DE 102004049771 A1 20060413 - FLOWTEC AG [CH]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 102006035526 A1 20080131; EP 2047341 A1 20090415; US 2010153736 A1 20100617; WO 2008012164 A1 20080131

DOCDB simple family (application)
DE 102006035526 A 20060727; EP 07786901 A 20070628; EP 2007056510 W 20070628; US 30967607 A 20070628