Title (en)

METHOD FOR MONITORING THE OPERATION OF A FIELD DEVICE

Title (de)

VERFAHREN ZUR ÜBERWACHUNG DER FUNKTION EINES FELDGERÄTS

Title (fr)

PROCÉDÉ POUR SURVEILLER LE FONCTIONNEMENT D'UN APPAREIL DE TERRAIN

Publication

EP 2652461 A1 20131023 (DE)

Application

EP 11794677 A 20111201

Priority

- DE 102010063430 A 20101217
- EP 2011071459 W 20111201

Abstract (en)

[origin: US2012158363A1] A method for monitoring the functioning of a field device, wherein the field device provides a complex measurement signal, which is produced from a number of individual measurements following one another in time, comprising method steps as follows: the complex measurement signals are stored within a predetermined time window; the occurrence of a predetermined event is monitored in the field device; the stored complex measurement signals are overwritten for the case, in which the predetermined event does not occur within the predetermined time window; for the case, in which the predetermined event occurs within the predetermined time window, both a first defined number of complex measurement signals, which were ascertained in time directly before the occurrence of the event, are frozen, as well as a second defined number of complex measurement signals, which were ascertained in time directly after the occurrence of the predetermined event, are stored.

IPC 8 full level

G01F 23/28 (2006.01)

CPC (source: EP US)

G01D 3/10 (2013.01 - EP US); **G01F 23/284** (2013.01 - EP US); **G01F 25/00** (2013.01 - EP US); B65H 2557/23 (2013.01 - US); G05B 23/00 (2013.01 - US); G05B 2219/31121 (2013.01 - US)

Citation (search report)

See references of WO 2012079992A1

Citation (examination)

- WO 2004092684 A2 20041028 - ENDRESS & HAUSER GMBH & CO KG [DE], et al
- XXX: "Digitalspeicher-Geräte (Laborgeräte)", 1 November 2010 (2010-11-01), pages 1 - 6, XP055481687, Retrieved from the Internet <URL:http://www.carl-engler-schule.de/culm/culm/culm2/th_messtechnik/laborgeraete/digispeicher2.pdf> [retrieved on 20180606]
- "Taschenbuch der Messtechnik mit Schwerpunkt Sensortechnik", 1 January 1996, MÜNCHEN ; WIEN : OLDENBOURG, 1996, ISBN: 978-3-486-23670-5, article HANS-ROLF TRÄNKLER: "Transienten-Speicherung", pages: 174, XP055481814

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)

US 2012158363 A1 20120621; **US 9170145 B2 20151027**; CN 103261850 A 20130821; CN 103261850 B 20160921; DE 102010063430 A1 20120621; EP 2652461 A1 20131023; WO 2012079992 A1 20120621

DOCDB simple family (application)

US 201113327830 A 20111216; CN 201180060657 A 20111201; DE 102010063430 A 20101217; EP 11794677 A 20111201; EP 2011071459 W 20111201