

Title (en)

METHOD OF DETERMINATION OF METROLOGICAL CHARACTERISTICS OF INSTRUMENT CHANNEL (VARIANTS)

Title (de)

VERFAHREN ZUR BESTIMMUNG VON METROLOGISCHEN EIGENSCHAFTEN EINES INSTRUMENTENKANALS (VARIANTEN)

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE CARACTÉRISTIQUES MÉTROLOGIQUE D'UN CANAL D'INSTRUMENT (ET VARIANTES)

Publication

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Application

EP 21817281 A 20210524

Priority

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- RU 2021050134 W 20210524

Abstract (en)

[origin: WO2021246916A1] In first variant, the method of determination of instruments channels (IC) metrological characteristics (MC) comprising input of reference value Xref to the measuring instrument (MI), the suspension of output of measuring signal, value of which depends functionally on the measured parameter, transmitting instead of measurement signal a test signal, value of which depends functionally on Xref, obtaining the indication Yic reading on the IC information processing device and / or displaying device when the test signal is received, metrological characteristics of the IC and/or its components are calculated taking into account values of Xref and YIC. According to second variant of the method, the channel includes the MI with digital and analog outputs, the MI analog output is connected to cable lines of IC, which transmits obtained readings to one input of a calculation unit (CU) and another CU input is connected directly to the MI digital output via digital data interface, wherein CU calculates the IC metrological characteristics according to preset program.

IPC 8 full level

G01D 18/00 (2006.01)

CPC (source: EP RU)

G01D 18/008 (2013.01 - EP RU)

Citation (search report)

- [X] US 2011196658 A1 20110811 - LOHMANN MARTIN [DE], et al
- [X] RU 51729 U1 20060227
- [A] EP 3222976 A1 20170927 - YOKOGAWA ELECTRIC CORP [JP]
- See also references of WO 2021246916A1

Designated contracting state (EPC)

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