

Title (en)

MANUFACTURING CONTROLS FOR SENSOR CALIBRATION USING FABRICATION MEASUREMENTS

Title (de)

FERTIGUNGSSTEUERUNG FÜR SENSORKALIBRIERUNG UNTER VERWENDUNG VON FABRIKATIONSMESSUNGEN

Title (fr)

COMMANDES DE FABRICATION POUR L'ÉTALONNAGE DE CAPTEURS À L'AIDE DE MESURES DE FABRICATION

Publication

**EP 4029031 A1 20220720 (EN)**

Application

**EP 20776040 A 20200910**

Priority

- US 201916569417 A 20190912
- US 201916569401 A 20190912
- US 2020050100 W 20200910

Abstract (en)

[origin: WO2021050664A1] Medical devices, systems and methods are provided. One method involves obtaining fabrication process measurement data for a plurality of instances of a sensing element, obtaining reference output measurement data from the plurality of instances in response to a reference stimulus, determining a predictive model for a measurement output of the sensing element as a function of fabrication process measurement variables based on the relationship between the fabrication process measurement data and the reference output measurement data, generating a simulated output measurement distribution across a range of the fabrication process measurement variables using the predictive model, identifying performance thresholds for the measurement output based on the simulated output measurement distribution, obtaining output measurement data from the instance of the sensing element in response to the reference stimulus, and verifying the output measurement data satisfies the performance threshold prior to calibrating a subsequent instance of the sensing element.

IPC 8 full level

**G16H 40/63** (2018.01)

CPC (source: EP)

**G16H 40/63** (2017.12)

Citation (search report)

See references of WO 2021050664A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021050664 A1 20210318**; CN 114364314 A 20220415; EP 4029031 A1 20220720

DOCDB simple family (application)

**US 2020050100 W 20200910**; CN 202080064134 A 20200910; EP 20776040 A 20200910