

Title (en)  
ANALYTE SENSOR QUALITY MEASURES AND RELATED THERAPY ACTIONS FOR AN AUTOMATED THERAPY DELIVERY SYSTEM

Title (de)  
ANALYSENSORQUALITÄTSMESSUNGEN UND ZUGEHÖRIGE THERAPIEMASSNAHMEN FÜR EIN AUTOMATISIERTES  
THERAPIEABGABESYSTEM

Title (fr)  
MESURES DE LA QUALITÉ DE CAPTEUR D'ANALYTE ET ACTIONS DE THÉRAPIE ASSOCIÉES POUR UN SYSTÈME D'ADMINISTRATION DE  
THÉRAPIE AUTOMATISÉ

Publication  
**EP 4138656 A1 20230301 (EN)**

Application  
**EP 21707830 A 20210126**

Priority  
• US 202016856838 A 20200423  
• US 202016856830 A 20200423  
• US 2021015057 W 20210126

Abstract (en)  
[origin: WO2021216155A1] Disclosed is a method of controlling operation of a medical device that regulates delivery of a fluid medication to a user. The method obtains a current sensor-generated value that is indicative of a physiological characteristic of the user, and is produced in response to operation of a continuous analyte sensor device. The method continues by: calculating a sensor quality metric that indicates reliability and trustworthiness of the current sensor-generated value; adjusting, in response to the calculated sensor quality metric, therapy actions of the medical device to configure a quality-specific operating mode of the medical device; managing generation of user alerts at the medical device in response to the calculated sensor quality metric; and regulating delivery of the fluid medication from the medical device, in accordance with the current sensor-generated value and the quality-specific operating mode of the medical device.

IPC 8 full level  
**A61B 5/145** (2006.01); **A61B 5/00** (2006.01)

CPC (source: EP)  
**A61B 5/14532** (2013.01); **A61B 5/4839** (2013.01); **A61B 5/7221** (2013.01)

Citation (search report)  
See references of WO 2021216155A1

Cited by  
US11998721B2

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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

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KH MA MD TN

DOCDB simple family (publication)  
**WO 2021216155 A1 20211028**; CN 115426946 A 20221202; EP 4138656 A1 20230301

DOCDB simple family (application)  
**US 2021015057 W 20210126**; CN 202180029980 A 20210126; EP 21707830 A 20210126