

Title (en)

DETERMINING THE RISING LEVELS OF CIRCULATING KETONE BODIES IN A PHYSIOLOGICAL FLUID

Title (de)

BESTIMMUNG DER STEIGHÖHEN ZIRKULIERENDER KETONKÖRPER IN EINEM PHYSIOLOGISCHEN FLUID

Title (fr)

DÉTERMINATION DES TAUX D'ÉLEVATION DES CORPS CÉTONIQUES CIRCULANTS DANS UN FLUIDE PHYSIOLOGIQUE

Publication

**EP 3890607 A4 20220810 (EN)**

Application

**EP 19892600 A 20191204**

Priority

- US 201862777053 P 20181207
- US 201916701784 A 20191203
- US 2019064437 W 20191204

Abstract (en)

[origin: WO2020117918A1] Ketoacidosis is a medical emergency that requires swift intervention to avert life- threatening sequel. A body-worn sensor (50) configured to measure the levels of a ketone compound circulating in a physiological fluid of a wearer and capable of generating an alert to the wearer if the level of the circulating ketone compound exceeds a pre-defined level or rate of change is disclosed herein. The sensor (50) preferably includes at least one of an electrochemical sensor, an optical sensor, a galvanic sensor, a voltammetric sensor, an amperometric sensor, a potentiometric sensor, an impedimetric sensor, a resistive sensor, a capacitive sensor, an ultrasonic sensor, a radio-frequency sensor, or a microwave sensor.

IPC 8 full level

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CPC (source: EP)

**A61B 5/14546** (2013.01); **A61B 5/6801** (2013.01); **A61B 5/742** (2013.01); **A61B 5/746** (2013.01)

Citation (search report)

- [X] WO 2016179559 A2 20161110 - DEXCOM INC [US]
- [A] WO 2009060432 A1 20090514 - MEDINGO LTD [IL], et al
- See also references of WO 2020117918A1

Designated contracting state (EPC)

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