

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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