(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 3 395 240 A1

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
31.10.2018 Bulletin 2018/44

(21) Application number: **18178373.9**

(22) Date of filing: **27.07.2011**

(51) Int Cl.:
A61B 5/00 *(2006.01)* ***A61B 5/145*** *(2006.01)*
A61B 5/1468 *(2006.01)* ***A61B 5/1486*** *(2006.01)*
C12Q 1/00 *(2006.01)*

(84) Designated Contracting States:
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

(30) Priority: **28.07.2010 US 36855310 P**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
15175054.4 / 3 009 065
11813123.4 / 2 598 021

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Remarks:
This application was filed on 18-06-2018 as a divisional application to the application mentioned under INID code 62.

(54) METHODS OF MONITORING A LEVEL OF AN ANALYTE IN A SUBJECT, USING ANALYTE SENSORS HAVING TEMPERATURE INDEPENDENT MEMBRANES

(57) Embodiments of the present disclosure relate to analyte determining methods and devices (e.g., electrochemical analyte monitoring systems) that have a membrane structure with an analyte permeability that is substantially temperature independent. The devices also include a sensing layer disposed on a working electrode of *in vivo* analyte sensors, e.g., continuous and/or automatic *in vivo* monitoring using analyte sensors and/or test strips. Also provided are systems and methods of using the, for example electrochemical, analyte sensors in analyte monitoring.

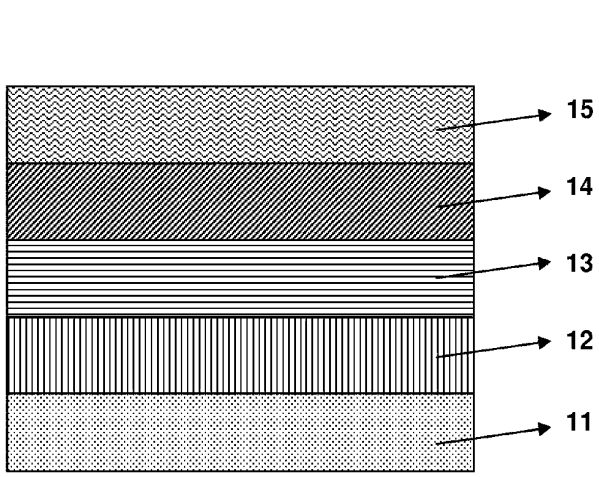

FIG. 1

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