

Title (en)

MEANS FOR THE QUANTITATIVE DETERMINATION OF AN ANALYTE CONCENTRATION IN A PATIENT'S URINE SAMPLE

Title (de)

MITTEL FÜR DIE QUANTITATIVE BESTIMMUNG VON EINER ANALYTKONZENTRATION IN EINER URINPROBE EINES PATIENTEN

Title (fr)

MOYEN POUR LA DÉTERMINATION QUANTITATIVE D'UNE CONCENTRATION D'ANALYTE DANS UN ÉCHANTILLON D'URINE D'UN PATIENT

Publication

EP 3762721 A1 20210113 (EN)

Application

EP 19710336 A 20190301

Priority

- EP 18159973 A 20180305
- EP 2019055167 W 20190301

Abstract (en)

[origin: EP3537153A1] The present invention relates to a single-use monoanalytical test-strip for the quantitative determination of an analyte in a patient's urine sample, and to a non-invasive point-of-care (POC) device for detecting deficiency and/or overload of an analyte in a patient's body. Furthermore, the present invention relates to a method for quantitatively determining the concentration of an analyte in a patient's urine sample and to a method of detecting deficiency and/or overload of an analyte in a patient's body. The test-strip comprises a substrate which either is electrically insulating or which has an electrically insulating layer applied thereon, - an electrode assembly applied on said substrate or on said electrically insulating layer, if present; and said electrode assembly comprises at least- one analyte-selective working electrode;- one reference electrode for said analyte-selective working electrode and an interface for electrically connecting said electrode assembly to a read out-meter device. Analytes are anions selected from halides, phosphates and sulfates or cations of alkali metals, of alkaline earth metals or of other metals.

IPC 8 full level

G01N 33/543 (2006.01); **G01N 27/333** (2006.01); **G01N 33/84** (2006.01)

CPC (source: EP)

G01N 33/5438 (2013.01); **G01N 33/84** (2013.01); **G01N 27/333** (2013.01)

Citation (search report)

See references of WO 2019170545A1

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)

EP 3537153 A1 20190911; EP 3762721 A1 20210113; WO 2019170545 A1 20190912; WO 2019170545 A8 20200409

DOCDB simple family (application)

EP 18159973 A 20180305; EP 19710336 A 20190301; EP 2019055167 W 20190301