

Title (en)
GALACTOSE RAPID QUANTITATIVE DETECTION SYSTEM AND USE THEREOF

Title (de)
SYSTEM ZUR SCHNELLEN QUANTITATIVEN BESTIMMUNG VON GALACTOSE UND DESSEN VERWENDUNG

Title (fr)
SYSTÈME DE DÉTECTION QUANTITATIVE RAPIDE DE GALACTOSE ET SON UTILISATION

Publication
EP 3870964 A4 20221026 (EN)

Application
EP 18937399 A 20181019

Priority
CN 2018111076 W 20181019

Abstract (en)
[origin: WO2020077630A1] A galactose rapid detection system has a galactose composition including a galactose, a buffer solution and an 0# 99%antioxidant, which enters a human body after metabolism and produces a biological sample; a test strip or a filter paper, comprising an enzyme, the enzyme would react with the biological sample producing a electrochemical information; a meter including a power supply unit for providing a signal; a connector for receiving the signal provided by the power supply unit, transmitting the signal to the test strip or the filter paper, wherein the signal reacting with the electrochemical information produce a corresponding response signal, and the connector transmit the corresponding response signal to the meter; a calculation unit for calculating the corresponding response signal; an A/D convertor for receiving the corresponding response signal from the calculation unit, transforming the corresponding response signal into a digital reaction signal calculated by the calculation unit; and a processor for processing the digital reaction signal a display for displaying the digital reaction signal; and a digital terminal for receiving the digital reaction signal.

IPC 8 full level
G01N 27/26 (2006.01)

CPC (source: EP KR)
A61B 5/14546 (2013.01 - EP KR); **A61B 5/1486** (2013.01 - EP KR); **G01N 27/3272** (2013.01 - EP KR); **G01N 33/48785** (2013.01 - EP KR); **G01N 33/49** (2013.01 - EP KR); **A61B 2562/0295** (2013.01 - EP KR)

Citation (search report)
• [XY] WO 2006060936 A1 20060615 - JACOV BIOTECH CO [CN], et al
• [Y] US 2015024415 A1 20150122 - LU YI [US], et al
• [A] CN 1811395 A 20060802 - BEIJING ZHONGSHENG JINYU DIAYN [CN]
• [XY] US 2016103096 A1 20160414 - YANG MON-WEN [TW], et al
• [XI] CN 204008654 U 20141210 - APEX BIOTECHNOLOGY CORP
• [A] LETKEMANN RUDOLF ET AL: "Partial correction of neutrophil dysfunction by oral galactose therapy in glycogen storage disease type Ib", INTERNATIONAL IMMUNOPHARMACOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 44, 23 January 2017 (2017-01-23), pages 216 - 225, XP029908050, ISSN: 1567-5769, DOI: 10.1016/J.INTIMP.2017.01.020
• See also references of WO 2020077630A1

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

DOCDB simple family (publication)
WO 2020077630 A1 20200423; AU 2018446068 A1 20210429; AU 2018446068 B2 20220915; BR 112021007424 A2 20210803; CA 3115849 A1 20200423; EA 202190685 A1 20210707; EP 3870964 A1 20210901; EP 3870964 A4 20221026; JP 2022505175 A 20220114; KR 102664571 B1 20240510; KR 20210095855 A 20210803; PH 12021550774 A1 20211213; SG 11202103088U A 20210528; SG 11202103488X A 20210528

DOCDB simple family (application)
CN 2018111076 W 20181019; AU 2018446068 A 20181019; BR 112021007424 A 20181019; CA 3115849 A 20181019; EA 202190685 A 20181019; EP 18937399 A 20181019; JP 2021521118 A 20181019; KR 20217011591 A 20181019; PH 12021550774 A 20210407; SG 11202103088U A 20181019; SG 11202103488X A 20181019