Title (en)

NON-INVASIVE ANALYTE SENSING AND SYSTEM WITH DECOUPLED AND INEFFICIENT TRANSMIT AND RECEIVE ANTENNAS

Title (de)

NICHTINVASIVE ANALYTMESSUNG UND SYSTEM MIT ENTKOPPELTEN UND INEFFIZIENTEN SENDE- UND EMPFANGSANTENNEN

Title (fr)

DÉTECTION D'ANALYTES NON INVASIVE ET SYSTÈME AYANT DES ANTENNES DE TRANSMISSION ET DE RÉCEPTION DÉCOUPLÉES ET INEFFICACES

Publication

EP 4076184 A1 20221026 (EN)

Application

EP 20903769 A 20201218

Priority

- US 201962951756 P 20191220
- US 201962951776 P 20191220
- US 201962951788 P 20191220
- US 201962951806 P 20191220
- US 201962951816 P 20191220
- IB 2020062222 W 20201218

Abstract (en)

[origin: WO2021124275A1] A non-invasive analyte sensor system includes an antenna/detector array having at least one transmit antenna/element and at least one receive antenna/element, wherein the at least one transmit antenna/element and the at least one receive antenna/element are less than 95% coupled to one another, or less than 90% coupled to one another, or less than 85% coupled to one another, or less than 75% coupled to one another. The at least one transmit antenna/element transmits a transmit signal in a radio or microwave frequency range of the electromagnetic spectrum into a target containing an analyte of interest, and the at least one receive antenna/element detects a response resulting from transmission of the transmit signal by the at least one transmit antenna/element into the target.

IPC 8 full level

A61B 5/145 (2006.01); **A61B 5/00** (2006.01); **A61B 5/05** (2021.01); **A61B 5/1455** (2006.01)

CPC (source: EP KR)

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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

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DOCDB simple family (publication)

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DOCDB simple family (application)

IB 2020062222 W 20201218; CN 202080087632 A 20201218; EP 20903769 A 20201218; KR 20227025254 A 20201218; TW 109143962 A 20201211