

Title (en)
SURFACE AND DIFFUSION ENHANCED BIOSENSOR

Title (de)
OBERFLÄCHEN- UND DIFFUSIONSVERSTÄRKTER BIOSENSOR

Title (fr)
BIOCAPTEUR DE SURFACE ET DE DIFFUSION AMÉLIORÉ

Publication
EP 3785030 A1 20210303 (EN)

Application
EP 19791455 A 20190422

Priority
• US 201862662088 P 20180424
• US 2019028559 W 20190422

Abstract (en)
[origin: WO2019209740A1] The disclosed technology generally relates to a biosensor configured for immunoassay, and more specifically to a biosensor having structures configured to enhance speed and sensitivity of immunoassay, and to test kits and methods of immunoassay using same. In one aspect, a sensor assembly adapted for an enzyme linked immunosorbent assay (ELISA) comprises a sensor strip comprising one or more wells formed therein. The sensor assembly additionally comprises one or more detection structures connected to a sidewall of each of the one or more wells, wherein the one or more detection structures are configured to immobilize a biological molecule directly thereon.

IPC 8 full level
G01N 33/543 (2006.01)

CPC (source: EP KR)
B01L 3/50825 (2013.01 - EP KR); **B01L 3/50855** (2013.01 - EP KR); **G01N 33/54386** (2013.01 - KR); **G01N 33/54393** (2013.01 - KR); **B01L 2300/042** (2013.01 - EP KR); **B01L 2300/046** (2013.01 - EP KR); **B01L 2300/0858** (2013.01 - KR); **B01L 2300/0887** (2013.01 - EP); **B01L 2300/0893** (2013.01 - KR); **B01L 2300/0896** (2013.01 - EP KR)

Citation (search report)
See references of WO 2019209740A1

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)
WO 2019209740 A1 20191031; CN 112703398 A 20210423; EP 3785030 A1 20210303; JP 2021522485 A 20210830; KR 20210039326 A 20210409

DOCDB simple family (application)
US 2019028559 W 20190422; CN 201980033509 A 20190422; EP 19791455 A 20190422; JP 2020559377 A 20190422; KR 20207033327 A 20190422