Title (en)

MAGNETIC PARTICLE-BASED IMMUNOASSAY AND METHODS OF USING THE SAME

Title (de)

IMMUNTEST AUF MAGNETPARTIKELBASIS UND VERFAHREN ZU DESSEN VERWENDUNG

Title (fr)

IMMUNODOSAGE À BASE DE PARTICULES MAGNÉTIQUES ET SES PROCÉDÉS D'UTILISATION

Publication

EP 3574309 A4 20201111 (EN)

Application

EP 18744906 A 20180126

Priority

- US 201762450623 P 20170126
- US 201762544393 P 20170811
- US 2018015440 W 20180126

Abstract (en)

[origin: WO2018140719A1] The invention describes, in part, improved methods, assays, and kits for detecting analytes in biological samples with magnetic particles. The method comprises the steps of contacting a sample with a magnetic conjugate comprising a magnetic particle and a capture moiety configured to bind the analyte of interest in the sample; contacting the sample with a reporter conjugate comprising a reporter and a reporter binding moiety configured to bind the analyte of interest in the sample; binding the analyte of interest with the capture moiety and the reporter binding moiety; separating the analyte of interest from the sample by applying a magnetic field to the analysis chamber; and detecting the presence, absence, or level of the analyte of interest by detecting the reporter.

IPC 8 full level

G01N 33/553 (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP)

G01N 33/54326 (2013.01); **G01N 33/553** (2013.01)

Citation (search report)

- [XI] WO 2013189502 A1 20131227 - SCANDINAVIAN MICRO BIODEVICES APS [DK]
- [XI] US 2011065209 A1 20110317 - HEIL JAMES R [US], et al
- [X] US 2014170767 A1 20140619 - LEE KWAN HYI [KR], et al
- See references of WO 2018140719A1

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 2018140719 A1 20180802; CA 3051475 A1 20180802; CN 110462383 A 20191115; EP 3574309 A1 20191204; EP 3574309 A4 20201111

DOCDB simple family (application)

US 2018015440 W 20180126; CA 3051475 A 20180126; CN 201880014031 A 20180126; EP 18744906 A 20180126