

Title (en)

ONE-STEP BIOMOLECULAR IMMOBILISATION PROCEDURE AND PRODUCTS THEREOF

Title (de)

EINSTUFIGES VERFAHREN ZUR BIOMOLEKULAREN IMMOBILISIERUNG UND PRODUKTE DARAUS

Title (fr)

PROCÉDURE D'IMMOBILISATION BIOMOLÉCULAIRE EN UNE ÉTAPE ET PRODUITS EN DÉCOULANT

Publication

**EP 2903740 A2 20150812 (EN)**

Application

**EP 13773780 A 20131008**

Priority

- EP 12187638 A 20121008
- EP 2013070919 W 20131008
- EP 13773780 A 20131008

Abstract (en)

[origin: WO2014056896A2] The invention relates to a method for covalent immobilisation of a biomolecule to a solid material and products arising therefrom, comprising providing a solid material with an activated surface, preferably by treatment with an oxidising agent, and subsequently contacting said material with a mixture of biomolecule to be immobilised and one or more silane components, preferably present in a pre-mixed binding solution. The immobilisation procedure is particularly useful for immunoassays, enzyme-linked immunosorbent assays (ELISA), surface plasmon resonance immunoassays, microarrays or microfluidic assays.

IPC 8 full level

**B01L 3/14** (2006.01)

CPC (source: EP)

**C07K 14/415** (2013.01); **G01N 33/54353** (2013.01); **C07K 2319/00** (2013.01)

Citation (search report)

See references of WO 2014056896A2

Cited by

CN117607463A; WO2021217251A1

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 2014056896 A2 20140417; WO 2014056896 A3 20140703**; EP 2903740 A2 20150812

DOCDB simple family (application)

**EP 2013070919 W 20131008**; EP 13773780 A 20131008