



(11)

EP 3 377 881 B8

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) International Patent Classification (IPC):
G01N 25/18 ^(2006.01) **G01N 33/487** ^(2006.01)
G01N 33/544 ^(2006.01) **G01N 33/569** ^(2006.01)
B01J 20/26 ^(2006.01)

(48) Corrigendum issued on:
22.03.2023 Bulletin 2023/12

(52) Cooperative Patent Classification (CPC):
G01N 25/18; B01J 20/268; G01N 33/487;
G01N 33/543; G01N 33/544; G01N 33/56911;
G01N 33/531; G01N 2600/00

(45) Date of publication and mention
of the grant of the patent:
04.01.2023 Bulletin 2023/01

(86) International application number:
PCT/EP2016/076571

(21) Application number: **16791009.0**

(87) International publication number:
WO 2017/084885 (26.05.2017 Gazette 2017/21)

(22) Date of filing: **03.11.2016**

(54) **DEVICES AND METHODS FOR DETECTING ANALYTES USING THERMAL WAVES**

VORRICHTUNG UND METHODEN ZUM NACHWEIS VON ANALYTEN MITTELS THERMISCHER
WELLEN

DISPOSITIF ET PROCÉDÉS DE DÉTECTION D'ANALYTES AU MOYEN D'ONDES THERMIQUES

(84) Designated Contracting States:
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

(74) Representative: **Algemeen Octrooi- en**
Merkenbureau B.V.
P.O. Box 645
5600 AP Eindhoven (NL)

(30) Priority: **16.11.2015 EP 15194837**
29.03.2016 EP 16162550
29.03.2016 EP 16162685
29.03.2016 US 201662314461 P
11.04.2016 EP 16164636
11.04.2016 US 201615095636

(56) References cited:
EP-A1- 2 772 753 JP-A- 2005 345 385
US-A- 6 161 028

(43) Date of publication of application:
26.09.2018 Bulletin 2018/39

(73) Proprietors:
• **Universiteit Maastricht**
6211 LK Maastricht (NL)
• **Academisch Ziekenhuis Maastricht**
6229 HX Maastricht (NL)

- **BART VAN GRINSVEN ET AL: "The Heat-Transfer Method: A Versatile Low-Cost, Label-Free, Fast, and User-Friendly Readout Platform for Biosensor Applications", ACS APPLIED MATERIALS AND INTERFACES, vol. 6, no. 16, 8 August 2014 (2014-08-08), pages 13309-13318, XP055252140, US ISSN: 1944-8244, DOI: 10.1021/am503667s**
- **KAROLIEN BERS ET AL: "Supporting Information - HTM-based cell detection at trace levels using a progressive enrichment approach with highly selective cell-binding surface imprints", LANGMUIR, vol. 30, no. 12, 1 April 2014 (2014-04-01), pages 1-4, XP055307588,**

(72) Inventors:
• **GRINSVEN, VAN, Bart Robert Nicolaas**
6200 MD Maastricht (NL)
• **CLEIJ, Thomas Jan**
6200 MD Maastricht (NL)

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 3 377 881 B8

- DICKERT F L ET AL: "Synthetic receptors as sensor coatings for molecules and living cells", THE ANALYST, R S C PUBLICATIONS, GB, vol. 126, no. 6, 1 June 2001 (2001-06-01), pages 766-771, XP002436466, ISSN: 0003-2654, DOI: 10.1039/B009893K
- KAROLIEN BERS ET AL: "Heat-Transfer Resistance Measurement Method (HTM)-Based Cell Detection at Trace Levels Using a Progressive Enrichment Approach with Highly Selective Cell-Binding Surface Imprints", LANGMUIR, vol. 30, no. 12, 1 April 2014 (2014-04-01), pages 3631-3639, XP055307366, US ISSN: 0743-7463, DOI: 10.1021/la5001232