



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

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

(51) Int Cl.:
G01N 27/414 ^(2006.01) **G01N 27/416** ^(2006.01)

(86) International application number:
PCT/GB2012/050494

(48) Corrigendum issued on:
13.07.2016 Bulletin 2016/28

(87) International publication number:
WO 2013/132202 (12.09.2013 Gazette 2013/37)

(45) Date of publication and mention
of the grant of the patent:
18.05.2016 Bulletin 2016/20

(21) Application number: **12791829.0**

(22) Date of filing: **06.03.2012**

(54) **METHOD AND APPRATUS FOR MEASURING CHEMICAL ION CONCENTRATION USING A
FEEDBACK-CONTROLLED TITRATOR**

VERFAHREN UND VORRICHTUNG ZUR MESSUNG VON CHEMISCHER IONENKONZENTRATION
UNTER VERWENDUNG EINER FEEDBACKGESTEUERTEN TITRIERVORRICHTUNG

PROCÉDÉ ET APPAREIL PERMETTANT DE MESURER LA CONCENTRATION D'IONS
CHIMIQUES AU MOYEN D'UN TITRATEUR CONTRÔLÉ PAR RÉTROACTION

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO RS SE SI SK SM TR**

(43) Date of publication of application:
14.01.2015 Bulletin 2015/03

(73) Proprietor: **DNAE Group Holdings Limited**
London
W12 7 SB (GB)

(72) Inventors:
• **TOUMAZOU, Christofer**
London W12 7SB, (GB)
• **LIU, Yan**
London W12 7SB, (GB)

(74) Representative: **Lind, Robert**
Marks & Clerk LLP
Fletcher House
Heatley Road
The Oxford Science Park
Oxford OX4 4GE (GB)

(56) References cited:
US-A1- 2010 255 595

- **BARTH. VANDER SCHOOT ET AL: "The pH-static enzyme sensor: An ISFET-based enzyme sensor, insensitive to the buffer capacity of the sample", ANALYTICA CHIMICA ACTA, vol. 199, 1 January 1987 (1987-01-01), pages 157-160, XP055049931, ISSN: 0003-2670, DOI: 10.1016/S0003-2670(00)82807-X**
- **VAN DER SCHOOT B H ET AL: "The pH-static enzyme sensor: Design of the pH control system", SENSORS AND ACTUATORS B: CHEMICAL: INTERNATIONAL JOURNAL DEVOTED TO RESEARCH AND DEVELOPMENT OF PHYSICAL AND CHEMICAL TRANSDUCERS, ELSEVIER S.A, SWITZERLAND, vol. 1, no. 1-6, 1 January 1990 (1990-01-01), pages 546-549, XP027419771, ISSN: 0925-4005 [retrieved on 1990-01-01]**

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).

- **VAN DER SCHOOT B ET AL: "An ISFET-based microlitre titrator: integration of a chemical sensor-actuator system", SENSORS AND ACTUATORS, ELSEVIER, SWITZERLAND, vol. 8, no. 1, 1 September 1985 (1985-09-01), pages 11-22, XP026555589, ISSN: 0250-6874, DOI: 10.1016/0250-6874(85)80020-2 [retrieved on 1985-09-01]**