

## Title (en)

TEST ELEMENT FOR DETERMINING A BODY FLUID AND MEASUREMENT METHOD

## Title (de)

TESTELEMENT ZUM BESTIMMEN EINER KÖRPERFLÜSSIGKEIT UND VERFAHREN ZUM MESSEN

## Title (fr)

ÉLÉMENT D'ESSAI POUR DÉTERMINER UN FLUIDE CORPOREL, ET PROCÉDÉ DE MESURE

## Publication

**EP 2408931 A2 20120125 (DE)**

## Application

**EP 10711144 A 20100319**

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## Abstract (en)

[origin: WO2010105850A2] The invention relates to a test element for determining a body fluid, in particular for determining the blood glucose level, comprising a detection region which is charged with a reagent sensitive to the body fluid. According to the invention, a functional element is arranged in or adjacent to the detection region for detecting at least one status parameter for the detection region, wherein said functional element can be evaluated by means of a status measurement. The invention further relates to a method for measuring the test element.

## IPC 8 full level

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## Citation (search report)

See references of WO 2010105850A2

## Citation (examination)

- WO 02056023 A1 20020718 - PRESENS PREC SENSING GMBH [DE], et al
- US 5972715 A 19991026 - CELENTANO MICHAEL [US], et al
- WO 2009015870 A1 20090205 - ROCHE DIAGNOSTICS GMBH [DE], et al
- US 2005123441 A1 20050609 - UNKRIG VOLKER [DE], et al
- DE 19932846 A1 20010118 - LRE TECHNOLOGY PARTNER GMBH [DE]
- EP 1213579 A2 20020612 - ROCHE DIAGNOSTICS GMBH [DE], et al
- WO 9119187 A1 19911212 - PB DIAGNOSTIC SYSTEMS INC [US]
- WO 0133214 A2 20010510 - ROCHE DIAGNOSTICS GMBH [DE], et al
- US 2008138793 A1 20080612 - LINDBERG STELLAN [SE], et al
- US 2004157275 A1 20040812 - MARFURT KAREN L [US]
- EP 1890132 A1 20080220 - HOFFMANN LA ROCHE [CH]
- WO 03056314 A2 20030710 - ROCHE DIAGNOSTICS GMBH [DE], et al
- WO 2008124063 A1 20081016 - BAYER HEALTHCARE LLC [US], et al
- EP 1691192 A1 20060816 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- EP 1256797 A2 20021113 - LIFESCAN INC [US]
- WO 9935487 A1 19990715 - SKYLINE VENTURE PARTNERS L P [US]
- SERGEY M. BORISOV ET AL: "Temperature-Sensitive Europium(III) Probes and Their Use for Simultaneous Luminescent Sensing of Temperature and Oxygen", ANALYTICAL CHEMISTRY, vol. 78, no. 14, 1 July 2006 (2006-07-01), pages 5094 - 5101, XP055063408, ISSN: 0003-2700, DOI: 10.1021/ac060311d
- STEFAN NAGL ET AL: "Method for simultaneous luminescence sensing of two species using optical probes of different decay time, and its application to an enzymatic reaction at varying temperature", ANALYTICAL AND BIOANALYTICAL CHEMISTRY, SPRINGER, BERLIN, DE, vol. 393, no. 4, 9 November 2008 (2008-11-09), pages 1199 - 1207, XP019702521, ISSN: 1618-2650
- LI L ET AL: "DUAL-ANALYTE FIBER-OPTIC SENSOR FOR THE SIMULTANEOUS AND CONTINUOUS MEASUREMENT OF GLUCOSE AND OXYGEN", ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, US, vol. 67, no. 20, 15 October 1995 (1995-10-15), pages 3746 - 3752, XP000541458, ISSN: 0003-2700, DOI: 10.1021/AC00116A021

## Cited by

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