

Title (en)

METHOD AND DEVICE FOR THE QUANTITATIVE DETERMINATION OF ANALYTES IN LIQUID SAMPLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR QUANTITATIVEN BESTIMMUNG VON ANALYTEN IN FLÜSSIGEN PROBEN

Title (fr)

PROCEDE ET DISPOSITIF DESTINES A LA DETERMINATION QUANTITATIVE D'ANALYTES DANS DES ECHANTILLONS LIQUIDES

Publication

**EP 1894007 A1 20080305 (DE)**

Application

**EP 06743076 A 20060526**

Priority

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- DE 102005026839 A 20050610

Abstract (en)

[origin: WO2006131225A1] The invention relates to a method and a device for the highly sensitive parallel detection and quantitative determination of analytes in liquid samples. According to said method, total internal reflection fluorescence (TIRF) is used in combination with a binding inhibition test on a specially coated support. The inventive method makes it possible to quickly analyze different types of liquids, such as drinking water, fruit juices, milk, serum, blood plasma, urine, etc., while allowing samples to be analyzed simultaneously regarding several different analytes, including hormones, antibiotics, pesticides, pharmaceuticals, drugs, and other molecules or molecular complexes, for example.

IPC 8 full level

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CPC (source: EP US)

**B82Y 5/00** (2013.01 - EP US); **B82Y 10/00** (2013.01 - EP US); **G01N 33/54373** (2013.01 - EP US)

Citation (search report)

See references of WO 2006131225A1

Citation (examination)

- WO 03048771 A2 20030612 - LATTEC I S [DK], et al
- EP 0671006 B1 19970205 - BIOLAB GMBH [DE]

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