

Title (en)

FLUORESCENCE-BASED ADP DETECTION SYSTEM

Title (de)

ADP-NACHWEISSYSTEM AUF FLUORESZENZBASIS

Title (fr)

SYSTEME DE DETECTION D'ADP A BASE DE FLUORESCENCE

Publication

**EP 1704406 A2 20060927 (EN)**

Application

**EP 05702434 A 20050117**

Priority

- IB 2005000290 W 20050117
- US 53673804 P 20040116

Abstract (en)

[origin: WO2005069725A2] A method and kit for detecting a nucleotide, or differentially detecting one nucleotide in a mixture of at least two nucleotides, in a solution comprising the steps of adding a chelator to the solution and detecting a signal created or altered upon the addition of the chelator using a spectroscopic detection system. A lanthanide may also be added to the solution before the detection of a signal. Preferably, the spectroscopic detection system is a fluorescence-based system.

IPC 8 full level

**G01N 21/64** (2006.01); **G01N 33/52** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)

**G01N 21/6428** (2013.01); **G01N 33/52** (2013.01); **G01N 33/5308** (2013.01); **G01N 2021/6417** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005069725 A2 20050804; WO 2005069725 A3 20060406;** CA 2553218 A1 20050804; EP 1704406 A2 20060927;  
EP 1704406 A4 20080528; JP 2007518094 A 20070705

DOCDB simple family (application)

**IB 2005000290 W 20050117;** CA 2553218 A 20050117; EP 05702434 A 20050117; JP 2006548477 A 20050117