

Title (en)

BIOANALYTICAL METHOD BASED ON MEASUREMENT OF THE PHOSPHORESCENCE DECAY PERIOD

Title (de)

BIOANALYTISCHES VERFAHREN AUF GRUNDLAGE DER MESSUNG DER ABKLINGZEIT DER PHOSPHORESSENZ

Title (fr)

PROCEDE BIOANALYTIQUE BASE SUR LA MESURE DU TEMPS D'EXTINCTION DE LA PHOSPHORESCENCE

Publication

**EP 1639348 A1 20060329 (DE)**

Application

**EP 04715275 A 20040227**

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Abstract (en)

[origin: WO2004077034A1] The invention relates to a method for detecting interactions between two or more molecules by measuring the change in the luminescence decay period, especially the phosphorescence decay period of a luminophore fixed to at least one of the molecules. At least one interacting partner is marked with a luminophore having a decay period of at least 50 ns. A delay phase during which interfering background fluorescence is able to decay is provided after switching off the light pulse.

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