

Title (en)

SPR AND RAMAN SPECTRAL IMAGE UNIT FOR BIOCHEMICAL ASSAYS IN THE FORM OF A PLATE

Title (de)

OBERFLÄCHENPLASMONENRESONANZ- UND RAMANSPEKTRALBILDEINHEIT FÜR BIOCHEMISCHE TESTS IN FORM EINER PLATTE

Title (fr)

UNITÉ D'IMAGERIE SPECTRALE À DÉTECTION PAR RÉSONANCE PLASMONIQUE DE SURFACE ET À EFFET RAMAN POUR ESSAIS BIOCHIMIQUES SOUS FORME D'UNE PLAQUE

Publication

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Application

**EP 14752938 A 20140630**

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Abstract (en)

[origin: WO2014207731A1] The present invention relates to an SPR image unit (1) for biochemical assays intended to cooperate with an electronic mobile device, in particular a smartphone, provided with lighting means and image capturing means; the unit (1) comprises: an insertion element (19) adapted to receive a specimen to be assayed from outside the unit (1), a nanostructured detector device (10) comprising an active surface (10a) adapted to receive said specimen to be assayed, an optical assembly (16) adapted to cooperate with said lighting means (181) and with said capturing means (182) so as to receive lighting from said lighting means, light said device (10), in particular said active surface (10a) thereof, and propagate at least one image towards said capturing means (182) in response to the lighting, a microfluidic assembly (12) operatively connected to said insertion element (19) and to said nanostructured detector device (10), and adapted to take said specimen to said active surface (10a).

IPC 8 full level

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