

Title (en)
DUAL FUNCTION ASSAY DEVICE

Title (de)
DOPPELFUNKTIONSTESTGERÄT

Title (fr)
DISPOSITIF D'ANALYSE A DOUBLE FONCTION

Publication
EP 1164923 A1 20020102 (EN)

Application
EP 00919932 A 20000331

Priority
• US 0008530 W 20000331
• US 12744299 P 19990401

Abstract (en)
[origin: WO0059371A1] A system and method for detecting substances such as glucose in tissue. The system comprises an assay device and an optical apparatus. The assay device comprises a reactive region that is responsive to at least one substance in fluid to be collected from the tissue when the fluid is in contact with the reactive region, and which reactive region is also responsive to a first type of optical energy suitable to heat up and transfer heat by conduction to the tissue to ablate the tissue and form at least one opening in the tissue from which fluid is collected. The optical apparatus has an activation head to which the assay device is attached, and a first optical energy source that outputs a first type of optical energy. An optical detecting device is included in the optical apparatus that measures a characteristic of the at least one substance from the response of the reactive region when the reactive region is in contact with the at least one substance.

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IPC 8 full level
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Citation (search report)
See references of WO 0059371A1

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