

Title (en)
METHOD FOR SEQUENCING DNA USING A MICROFLUIDIC DEVICE

Title (de)
VERFAHREN ZUR SEQUENZIERUNG VON DNA MITTELS EINER MIKROFLUIDICVORRICHTUNG

Title (fr)
PROCEDE DE SEQUEN AGE D'ADN A L'AIDE D'UN DISPOSITIF MICROFLUIDIQUE

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Application
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Abstract (en)
[origin: WO0040750A1] The present invention describes a method for sequencing DNA in a device with microfluidics properties and a set of reagents for its use. This microfluidic device may be in form of a disc with radially extending microchannel structures (CD form) having an inner application area that may be common for one or more microchannel structures. By spinning the disc the liquid can be driven from an applicator area into reaction and/or detection are as closer to the periphery of the disc. Liquid transportation may thus be driven by centripetal force. The microfluidic device may also have other gemoetrical forms. Several methods can be used to determine the sequence of DNA according to the invention but the real time determination of released pyrophosphate using the luciferase luciferin reaction is preferred.

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