

Title (en)  
SIMPLIFIED DEVICE FOR NUCLEIC ACID AMPLIFICATION AND METHOD FOR USING SAME

Title (de)  
VEREINFACHTE VORRICHTUNG ZUR NUCLEINSÄUREVERSTÄRKUNG UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)  
DISPOSITIF D'AMPLIFICATION D'ACIDES NUCLÉIQUES SIMPLIFIÉ ET SON PROCÉDÉ DE MISE EN OEUVRE

Publication  
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Application  
**EP 10771795 A 20100917**

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Abstract (en)  
[origin: WO2011033231A1] The present invention relates to a disposable device (100) for amplifying at least one target nucleic acid present in a liquid biological sample of interest, which consists of a solid body (2), and of at least one fluidic channel (3) connecting an inlet (4) via which all or part of the sample of interest can be drawn up and/or discharged, and an outlet (5), which is itself connected to a means for drawing up/discharging said sample of interest, the fluidic channel (3) also comprising, from the inlet (4) to the outlet (5): a first compartment (8) containing all or part of the thermostable constituents, a means of mixing (15) the constituents with the sample of interest, a second compartment (9) containing all or part of the non-thermostable constituents, and, in addition, at least one zone for heating said sample of interest (6) mixed with said amplification constituents, in order to allow amplification of the target nucleic acid. The invention also proposes an amplification method using such a device. Said invention has a preferred application in the medical diagnosis field.

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Citation (search report)  
See references of WO 2011033231A1

Citation (examination)  
• WO 03060157 A2 20030724 - NORCHIP AS [NO], et al  
• US 2007026421 A1 20070201 - SUNDBERG STEVEN A [US], et al

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