

Title (en)

MICROCHIP MATRIX DEVICE FOR DUPLICATING AND CHARACTERIZING NUCLEIC ACIDS

Title (de)

MICROCHIP-MATRIX-VORRICHTUNG ZUR VERVIELFÄLTIGUNG UND CHARAKTERISIERUNG VON NUKLEINSÄUREN

Title (fr)

DISPOSITIF MATRICE A MICROCIRCUIT INTEGRE DESTINE A L'AMPLIFICATION ET A LA CARACTERISATION D'ACIDES NUCLEIQUES

Publication

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Application

**EP 00952983 A 20000630**

Priority

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- EP 0006103 W 20000630

Abstract (en)

[origin: WO0102094A1] The aim of the invention is to provide a device for duplicating and characterizing nucleic acids almost simultaneously and with a high sample throughput rate, hereby avoiding the disadvantages of the prior art. To this end, the inventive device consists of a chamber body (1) with a recess whose edge sealingly holds an optically transparent chip (2). Said chip holds nucleic acids in individual spots (13) on a detection surface (12). The chamber body (1) is placed on an optically transparent chamber support (5) with a bearing surface (4), in such a way that a capillary gap (7), which can be filled with a liquid sample, is formed between the detection surface (12) of the chip (2) facing towards the chamber support (5) and said chamber support (5). The chamber body (1) is provided with an inlet (81) and an outlet (82), which are spatially separate from each other, and has a space, which laterally encompasses the chip (2) and which has a gas reservoir (6). The chamber support (5) is provided with heating elements .

IPC 1-7

**B01L 3/00**

IPC 8 full level

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Citation (search report)

See references of WO 0102094A1

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