

Title (en)

DEVICE FOR TRANSPORTING VERY SMALL QUANTITIES OF LIQUID AND METHOD FOR PRODUCING SAME

Title (de)

EINRICHTUNG ZUM TRANSPORT VON KLEINSTEN FLÜSSIGKEITSMENGEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

DISPOSITIF PERMETTANT DE TRANSPORTER DE TRES PETITES QUANTITES DE FLUIDE ET PROCEDE DE FABRICATION ASSOCIE

Publication

**EP 1023593 A1 20000802 (DE)**

Application

**EP 99944428 A 19990818**

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Abstract (en)

[origin: WO0011461A1] The invention relates to a device for transporting very small quantities of liquid and a method for producing same, where said device comprises a support which contains a system of microstructured hollow spaces. The aim of the invention is to meet increased accuracy requirements as regards the shape and cross-section of said microstructures even when these are produced economically and in large numbers. The invention also aims to ensure improved conditions for optical analysis measurement techniques. The support, which apart from the microstructured hollow spaces has a monolithic structure, is produced by introducing a dissolved connecting layer between the plate-like support elements. The material composition of said layer is similar to that of the support elements and its thickness is significantly smaller than the width and depth of the microstructured hollow spaces. Said device is used as analytical instrument, primarily in medicine, biotechnology and pharmacology.

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IPC 8 full level

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Citation (search report)

See references of WO 0011461A1

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