

Title (en)

MICROFLUIDIC DEVICE FOR TRANSPORTING A PRODUCT BY DIFFUSION IN A POROUS SUBSTRATE

Title (de)

MIKROFLUIDIKVORRICHTUNG ZUM TRANSPORTIEREN EINES PRODUKTS IN EIN PORÖSES SUBSTRAT DURCH DIFFUSION

Title (fr)

DISPOSITIF MICRO-FLUIDIQUE POUR CONVOYER UN PRODUIT PAR DIFFUSION DANS UN SUBSTRAT POREUX

Publication

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Application

EP 10724828 A 20100608

Priority

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- FR 0902753 A 20090608

Abstract (en)

[origin: WO2010142700A1] The invention relates to a microfluidic device (1) for transporting a product by diffusion in a porous substrate (2) from a product (F) injection area (ZI) to a product intake area (ZA), connected by a product channelling area (ZE). The porous substrate according to the invention has a free surface (4) which is partially covered with a mask (5, 6, 7) that is impervious to the product and which extends from the injection area (ZI) to the intake area (ZA) such as to define the product channelling area (ZE) in the substrate, in order to enable product evaporation via an uncovered portion (8, 9) of the free surface (4).

IPC 8 full level

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Citation (search report)

See references of WO 2010142700A1

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