

Title (en)
PROCESS FOR FABRICATING A MICROFLUIDIC DEVICE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER MIKROFLUIDVORRICHTUNG

Title (fr)
PROCEDE DE FABRICATION D'UN DISPOSITIF MICROFLUIDIQUE.

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Application
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Abstract (en)
[origin: WO2008031968A1] The invention relates to a process for fabricating "open" microfluidic devices by screen printing. The process comprises the steps consisting in: a) depositing, by screen printing, a mixture of a glass precursor material, a glass-ceramic or a ceramic and of an organic medium on said substrate made of a material chosen from glass, glass-ceramic and ceramic in order to form at least one feature screen-printed in a desired pattern, each feature corresponding to a microfluidic device; and b) firing the screen-printed feature(s) at a temperature making it possible for the precursor material, by melting, to bond to the substrate. The subject of the invention is also a process for fabricating microfluidic devices that are "closed off" by a sheet of glass, glass-ceramic or ceramic.

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