

Title (en)
A MICROFLUIDIC DEVICE AND ITS MANUFACTURE

Title (de)
MIKROFLUIDVORRICHTUNG UND IHRE HERSTELLUNG

Title (fr)
DISPOSITIF MICROFLUIDIQUE ET SON PROCEDE DE FABRICATION

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Application
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Abstract (en)

[origin: WO03055790A1] A method for increasing the yield of functional micro channel structures per microfluidic device in the manufacturing of microfluidic devices each of which comprises a plurality of enclosed micro channel structures, said manufacturing comprising joining a substrate surface I of a first generally planar plastic substrate I to a substrate surface II of a second generally planar substrate II via a bonding material. The characterizing steps are : (i) providing (a) substrate I in a form in which substrate surface I comprises a first relief pattern which defines at least a part of the walls of the enclosed micro channel structures, (b) substrate II in a form in which substrate surface II (1) has a size that enables coverage of said first relief pattern, and (2) optionally comprises a complementing relief pattern, (ii) apposing substrates surface I and substrate surface II so that enclosed micro channel structures are formed, (iii) bonding the substrate surfaces together via said relief patterns and said bonding material.

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