

Title (en)  
LIQUID TRANSFER SYSTEM

Title (de)  
VORRICHTUNG ZUM FLÜSSIGKEITSTRANSFER

Title (fr)  
SYSTEME DE TRANSFERT DE LIQUIDES

Publication  
**EP 1594951 A2 20051116 (EN)**

Application  
**EP 04706726 A 20040130**

Priority  
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• US 65571403 A 20030905

Abstract (en)  
[origin: WO2004067700A2] A liquid transfer tool comprising a ceramic capillary pin having a capillary channel that extends the entire length of the pin and a pin holder, wherein the pin holder comprises a metallic elongated shaft having a distal end configured for holding a proximal portion of the ceramic capillary pin, and a shaft head at the proximal end of the shaft of greater diameter than the shaft, the shaft having a radial vent hole in communication with the capillary. Also, a technique of cleaning a liquid transfer tool including an array of capillary pins for transferring controlled volumes of liquid from tips thereof to a substrate, the method including inserting the tips of the pins into respective counterbores connected to a vacuum pump, each counterbore provided with a sealing ring, wherein the sealing rings have an outer diameter less than that of the counterbores and are mounted on the base of the counterbores such that they are free to move radially thereon so as to allow for mis-alignments between the pins and the centre axes of the counterbores whilst ensuring a good seal between each counterbore and the respective pin.

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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2004067700A2

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