

Title (en)

A micro-fluidic device based upon active matrix principles

Title (de)

Mikrofluidische Vorrichtung auf der Basis von Aktivmatrixprinzipien

Title (fr)

Dispositif micro-fluidique basé selon les principes de matrice active

Publication

EP 1974814 A1 20081001 (EN)

Application

EP 07104818 A 20070323

Priority

EP 07104818 A 20070323

Abstract (en)

A micro-fluidic device (1) including a two-dimensional array of a plurality of components (2) for processing a fluid and/or for sensing properties of the fluid is suggested. The components comprise at least one heater element (13) for thermophoretic movement of fluid. The active matrix includes a two-dimensional array of electronic components (12) realized in thin film technology. The active matrix provides a high versatility of the device. The thin film technology ensures a very cost efficient manufacturing also of large devices.

IPC 8 full level

B01L 3/00 (2006.01); **F04B 19/00** (2006.01)

CPC (source: EP)

B01L 3/50273 (2013.01); **F04B 19/006** (2013.01); **B01L 3/502715** (2013.01); **B01L 7/52** (2013.01); **B01L 2200/147** (2013.01); **B01L 2300/0819** (2013.01); **B01L 2300/1822** (2013.01); **B01L 2300/1827** (2013.01); **B01L 2400/0415** (2013.01); **B01L 2400/0442** (2013.01); **B01L 2400/0448** (2013.01); **B01L 2400/0451** (2013.01)

Citation (search report)

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