

Title (en)

Microfluidic device using a collinear electric field

Title (de)

Mikrofluide Vorrichtung mit kollinearem elektrischen Feld

Title (fr)

Dispositif microfluidique utilisant champ électrique colinéaire

Publication

EP 1637226 A1 20060322 (EN)

Application

EP 04292173 A 20040909

Priority

EP 04292173 A 20040909

Abstract (en)

A microfluidic device (1) for deforming, in particular splitting, at least one packet, or displacing at least two packets towards each other, in particular for collapsing said packets, said device comprising: a microchannel (2) having an axis (X), packet manipulation means.

IPC 8 full level

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

CPC (source: EP)

B01L 3/502784 (2013.01); **F04B 19/006** (2013.01); **B01L 2200/0673** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2400/0415** (2013.01); **B01L 2400/0493** (2013.01)

Citation (search report)

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- [A] US 6146103 A 20001114 - LEE ABRAHAM P [US], et al
- [A] EP 1348546 A2 20031001 - TOYO INK MFG CO [JP]
- [A] ZHANG ET AL: "Theoretical Prediction of Electric Fields-Enhanced Coalescence of Spherical Drops", AICHE JOURNAL, vol. 41, no. 7, July 1995 (1995-07-01), pages 1629 - 1639, XP009043703

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