

Title (en)
BICOMPONENT FIBER WICK

Title (de)
BIKOMPONENTENFASERDOCHT

Title (fr)
MECHE DE FIBRE A DEUX COMPOSANTS

Publication
EP 1781391 B1 20120815 (EN)

Application
EP 04716122 A 20040301

Priority
US 2004006126 W 20040301

Abstract (en)
[origin: WO2005094245A2] A bicomponent fiber wick is provided for use in processing an analyte fluid. The bicomponent fiber wick comprises a self-sustaining, fluid transmissive body comprising a plurality of bundled, crimped, bicomponent fibers bonded to each other at spaced apart contact points. Each bicomponent fiber has a fiber structure comprising a first fiber component formed from a polyamide material and a second fiber component. The fibers collectively define tortuous fluid flow paths through the fluid transmissive body, the fiber structure being configured for controlling flow of the analyte fluid through the fluid transmissive body with at least a portion of the first fiber component in contact with the analyte fluid.

IPC 8 full level
B01L 3/00 (2006.01); **G01N 33/52** (2006.01)

CPC (source: EP)
B01L 3/5023 (2013.01); **D01F 8/12** (2013.01); **B01L 2300/12** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005094245 A2 20051013; **WO 2005094245 A3 20070712**; CA 2555663 A1 20051013; CA 2555663 C 20101026;
CN 101208604 A 20080625; CN 101208604 B 20120711; EP 1781391 A2 20070509; EP 1781391 A4 20100428; EP 1781391 B1 20120815;
JP 2007526477 A 20070913

DOCDB simple family (application)
US 2004006126 W 20040301; CA 2555663 A 20040301; CN 200480042239 A 20040301; EP 04716122 A 20040301; JP 2007501753 A 20040301