

Title (en)
MULTICAPILLARY PACKING CHROMATOGRAPHY METHOD

Title (de)
CHROMATOGRAPHIEVERFAHREN FÜR MULTIKAPILLARE VERPACKUNG

Title (fr)
PROCEDE DE CHROMATOGRAPHIE SUR UN GARNISSAGE MULTICAPILLAIRE

Publication
EP 3200889 A1 20170809 (FR)

Application
EP 15770952 A 20150929

Priority

- FR 1459176 A 20140929
- EP 2015072474 W 20150929

Abstract (en)
[origin: WO2016050797A1] Chromatography method in which a gaseous, liquid or supercritical mobile phase containing species to be separated is circulated through a packing, said packing being characterized in that: - it comprises a plurality of capillary ducts extending in the packing between an upstream face through which the mobile phase enters the packing and a downstream face through which the mobile phase leaves the packing - the material of the walls comprises a first population of connected pores, providing passages from one duct to the next enabling molecular diffusion to take place between adjacent ducts, pores having a mean diameter (dpore) of greater than 2 times the molecular diameter of at least one species to be separated - the diameter of the ducts is less than 50 µm.

IPC 8 full level
B01D 15/22 (2006.01)

CPC (source: EP US)
B01D 15/22 (2013.01 - EP US); **B01D 15/40** (2013.01 - EP US); **B01D 53/025** (2013.01 - US); **B01J 20/103** (2013.01 - EP US); **B01J 20/28004** (2013.01 - EP US); **B01J 20/28016** (2013.01 - EP US); **B01J 20/28042** (2013.01 - EP US); **B01J 20/28047** (2013.01 - EP US); **B01J 20/28078** (2013.01 - EP US); **B01J 20/28083** (2013.01 - EP US); **B01J 20/283** (2013.01 - EP US); **B01J 20/284** (2013.01 - EP US); **B01J 20/285** (2013.01 - EP US); **B01J 20/291** (2013.01 - EP US); **B01J 20/3021** (2013.01 - EP US); **B01D 2253/104** (2013.01 - US); **B01D 2253/106** (2013.01 - US); **B01D 2253/306** (2013.01 - US); **B01D 2253/308** (2013.01 - US); **B01J 2220/54** (2013.01 - EP US)

Citation (search report)
See references of WO 2016050797A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3026313 A1 20160401; **FR 3026313 B1 20180713**; EP 3200889 A1 20170809; US 11406915 B2 20220809; US 2017259190 A1 20170914; WO 2016050797 A1 20160407

DOCDB simple family (application)
FR 1459176 A 20140929; EP 15770952 A 20150929; EP 2015072474 W 20150929; US 201515514918 A 20150929