



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 76 19 51

Classification of the application (IPC):
B01J 38/34

Technical fields searched (IPC):
B01J

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	EP 0610186 A1 (MOBIL OIL CORP [US]) 17 August 1994 (1994-08-17) * figure 1 *	1, 2, 9 3-8, 10
X Y	US 2010303698 A1 (MEHLBERG ROBERT L [US] ET AL) 02 December 2010 (2010-12-02) * figure 1 *	1, 2, 9 3-8, 10
X Y	EP 2070592 A2 (UOP LLC [US]) 17 June 2009 (2009-06-17) * figure 3 *	1, 3, 4, 6-9 10
A	US 6039863 A (PALMAS PAOLO [US]) 21 March 2000 (2000-03-21) * the whole document *	1-10
A	US 8936756 B2 (PALMAS PAOLO [US]; MYERS DANIEL N [US]; UOP LLC [US]) 20 January 2015 (2015-01-20)	1-10
A	US 4843051 A (KOVACS RICHARD C [US] ET AL) 27 June 1989 (1989-06-27) * the whole document *	1-10
A	US 2013148463 A1 (DAVYDOV LEV [US] ET AL) 13 June 2013 (2013-06-13) * the whole document *	1-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 02 October 2020	Examiner Pasanisi, Andrea
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 02-10-2020
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