

## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Classification of the application (IPC): B01D 53/14, B01D 53/62, C01B 32/50

Technical fields searched (IPC): B01D

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
Y	US 2016001223 A1 (OKUNO SHINYA [JP] ET AL) 07 January 2016 (2016-01-07) * figures 1-4 *	1-7			
Y	US 2014041523 A1 (TSUJIUCHI TATSUYA [US] ET AL) 13 February 2014 (2014-02-13) * figure 5 *	1-7			
Y	FR 2202715 A1 (DREW CHEM CORP [US]) 10 May 1974 (1974-05-10) * figure 1 *	1-7			
Y	EP 2229997 A1 (INST FRANCAIS DU PETROLE [FR]) 22 September 2010 (2010-09-22) * figure 3 *	1-7			
A	CN 202516335 U (SHANDONG MEILING CHEMICAL EQUIPMENT CO LTD) 07 November 2012 (2012-11-07) * claims 1-3 *	1, 6			

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 24 March 2022	<sub>Examiner</sub> de Biasio, Arnaldo							
CATEGORY OF CITED DOCUMENTS									
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category									

A: technological background O: non-written disclosure

& : member of the same patent family, corresponding document

- ed on, or after t E: earlier patent document, but public D: document cited in the application
- L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 20 77 32 71

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 24-03-2022 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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