



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 74 11 27

**Classification of the application (IPC):**  
B01D 45/04, E21B 43/34, B01D 43/00, B01D 17/02, B01D 19/00

**Technical fields searched (IPC):**  
B01D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 4908049 A (YOSHIDA YASUNOBU [JP] ET AL) 13 March 1990 (1990-03-13) * abstract; figures * * page 3, line 37 - line 68 *	1-13
A	DE 851483 C (HOFFMANN EDWIN DR-ING) 06 October 1952 (1952-10-06) * the whole document *	1-13
A	WO 2015188850 A1 (ABB SPA [IT]) 17 December 2015 (2015-12-17) * abstract; figures * * page 7 - page 10 *	1-13
A	US 2016375386 A1 (MAGNUS ANDREW K [CA] ET AL) 29 December 2016 (2016-12-29) * abstract; figures * * paragraph [0035] - paragraph [0041] * * paragraph [0056] - paragraph [0059] * * paragraph [0077] - paragraph [0078] *	1-13

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 The Hague	Date of completion of the search 22 September 2020	Examiner Lapeyrère, Jean
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### CATEGORY OF CITED DOCUMENTS

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
& : member of the same patent family, corresponding document	L: document cited for other reasons

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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 22-09-2020  
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