



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 79 19 80

Classification of the application (IPC):

F04B 39/00, C10M 101/02, C10M 105/06, C10M 105/18, C10M 105/32, C10M 107/34, C10N 20/00, C10N 20/02, C10N 30/00, C10N 30/02, C10N 40/30, F04B 35/04, F04B 39/02, F04C 29/02

Technical fields searched (IPC):

F04B, F04C, C10M

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015014574 A1 (SAITO MASANORI [JP] ET AL) 15 January 2015 (2015-01-15) * paragraph [0014] - paragraph [0057] *	1-7
X A	EP 2128233 A1 (IDEMITSU KOSAN CO [JP]) 02 December 2009 (2009-12-02) * paragraph [0008] - paragraph [0021] *	1-6 7
A	JP 2016033222 A (JX NIPPON OIL & ENERGY CORP) 10 March 2016 (2016-03-10) * paragraph [0013] - paragraph [0047] *	1-7
A	EP 2233555 A1 (IDEMITSU KOSAN CO [JP]) 29 September 2010 (2010-09-29) * paragraph [0008] - paragraph [0053] *	1-7
A	US 2015203732 A1 (SAITO MASANORI [JP] ET AL) 23 July 2015 (2015-07-23) * paragraph [0013] - paragraph [0070] *	1-7

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 17 March 2020	Examiner Ricci, Saverio
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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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EP 18 79 19 80

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 17-03-2020
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