



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 15 86 14 57

Classification of the application (IPC):

C10M 169/04, C10N 10/04, C10N 20/00, C10N 20/02, C10N 20/04, C10N 30/00, C10M, C10N
C10N 40/25

Technical fields searched (IPC):

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2014172125 A1 (LUBRIZOL CORP [US])	1-6
Y	23 October 2014 (2014-10-23)	9, 10
A	* paragraph [0020] - paragraph [0027] *	7, 8
	* paragraph [0040] - paragraph [0112] *	
	* paragraph [0116] - paragraph [0121] *	
	* paragraph [0140] - paragraph [0146] *	
	* claims; examples *	
X	US 2012258897 A1 (TAKESHIMA SHIGEKI [JP] ET AL)	1-6
Y	11 October 2012 (2012-10-11)	9, 10
A	* paragraph [0028] - paragraph [0041] *	7, 8
	* paragraph [0050] - paragraph [0068] *	
	* paragraph [0077] - paragraph [0083] *	
	* claims; examples *	
X	WO 9964543 A1 (EXXONMOBIL OIL CORP)	1-6
Y	16 December 1999 (1999-12-16)	9, 10
A	* page 4, line 17 - page 5, line 21 *	7, 8
	* claims; examples *	
Y	JP 2011157960 A (MAN DIESEL & TURBO DEUTSCHLAND)	9, 10
A	18 August 2011 (2011-08-18)	1-8
	* abstract *	

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 21 June 2018	Examiner Elflein, Eleonore
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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 |
| &: member of the same patent family, corresponding document | L: document cited for other reasons |

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:

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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 21-06-2018.
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		US 2016060562 A1	03-03-2016
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