

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP H10 36876 A (MAKOTO FUTSUKUSU KK; YAMANAKA FUTOSHI) 10 February 1998 (1998-02-10) * the whole document * * paragraphs [[0048]], [[0047]], [[0008]] - [[0009]] * -----	1-6	INV. C10M173/02 C10M103/06 C10M125/02 C10M125/10 C10M125/22 C10M125/24
X	US 3 801 504 A (STONE A) 2 April 1974 (1974-04-02) * column 5, line 7 - line 12; claims 1, 4, 7 * -----	1-6	C10M125/26 C10M129/28 C10M133/16 C10M133/42 C10M145/04
X	JP 2009 185311 A (KOBE STEEL LTD; DAIDO CHEM IND CO LTD) 20 August 2009 (2009-08-20) * examples 4-5; table 6 * * the whole document * -----	1-6	C10M145/14 C10M145/16 C10M145/20 C10M145/22 C10M145/40 C10M147/02
X	US 5 271 854 A (STAUB HANS-RUDOLF [CH] ET AL) 21 December 1993 (1993-12-21) * example comp. example B * -----	1-5	
X	EP 0 612 830 A1 (DESILUBE TECH INC [US]) 31 August 1994 (1994-08-31) * claims 1, 3; examples 5, 12, 10, 7 * -----	1,4,5	
			TECHNICAL FIELDS SEARCHED (IPC)
			B21J B21C C10M C10N
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 <b>Munich</b>		Date of completion of the search <b>17 October 2017</b>	Examiner <b>Kaluza, Nora</b>
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
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**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 15 76 8354

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
			C10M149/20 C10M159/06 C10N10/12 B21J3/00 B21C9/00 C10M143/02
			TECHNICAL FIELDS SEARCHED (IPC)
	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	Date of completion of the search	Examiner
	Munich	17 October 2017	Kaluza, Nora
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 P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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 EPO FORM 1503 03 82 (P04C04)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 76 8354

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  
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17-10-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP H1036876	A	10-02-1998	NONE	
US 3801504	A	02-04-1974	CA 961473 A US 3801504 A	21-01-1975 02-04-1974
JP 2009185311	A	20-08-2009	NONE	
US 5271854	A	21-12-1993	NONE	
EP 0612830	A1	31-08-1994	CA 2111273 A1 EP 0612830 A1 JP H06306379 A US 5294355 A	29-06-1994 31-08-1994 01-11-1994 15-03-1994