

## SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 18 86 65 21

Classification of the application (IPC): C10M 169/04, C10M 173/00, C10N 30/02, C10N 30/12, C10N 30/18, C10N 40/06, C10N 40/20, C10N 40/22, C10M 173/02, C10N 10/04

Technical fields searched (IPC): C10M, C10N

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim				
x	US 4151099 A (MAXWELL JERROLD F [US] ET AL) 24 April 1979 (1979-04-24)	1, 10				
	* column 9, lines 33-66; claims 1-19; examples 5-8 *					
х	US 3215630 A (MARYANN COMPTON ET AL) 02 November 1965 (1965-11-02)	2, 3, 10, 15				
	* claims 1-7; examples 1-4 *					
	* column 3, lines 42-50 *					
	* column 3, line 51 - column 4, line 21 *					
A	US 2017056698 A1 (PAI CHIEN NAN [TW] ET AL) 02 March 2017 (2017-03-02)	1-14				
	* paragraphs [0004] - [0022], [0106] - [0114]; examples 1-9 *					
x	CN 103013638 A (ZHEJIANG RUIYI NEW MATERIALS CO LTD) 03 April 2013 (2013-04-03)	1-3, 7, 10				
	* paragraphs [0001], [0010] - [0022], [0058]; claims 1-10; examples 1-3 *					
x	JP 2000313896 A (SHIBAFU ENGINEERING KK; TOSHIBA CORP) 14 November 2000 (2000-11-14)	1-15				
	* paragraphs [0011], [0020], [0022], [0024], [0030] - [0033]; claims 1, 7, 8, 10, 12; examples *					

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 Munich 05 June 2021

Examiner Bork, Ana-Maria

## **CATEGORY OF CITED DOCUMENTS**

- X: particularly relevant if taken alone
  Y: particularly relevant if
- particularly relevant if combined with another document of the same category
- technological background
- O: non-written disclosure
- &: member of the same patent family, corresponding document
- intermediate document
- theory or principle underlying the invention earlier patent document, but published on, or after the filing date E:
- 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 18 86 65 21

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 05-06-2021

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4151099	A	24-04-1979	DE US	2759233 A1 4151099 A	13-07-1978 24-04-1979
US 3215630	A	02-11-1965	NONE		
US 2017056698	A1	02-03-2017	CA CN TW TW US WO	2939909 A1 106457013 A 201542265 A 202012018 A 2017056698 A1 2015126854 A1	27-08-2015 22-02-2017 16-11-2015 01-04-2020 02-03-2017 27-08-2015
CN 103013638	Α	03-04-2013	NONE		
JP 2000313896	Α	14-11-2000	NONE		