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## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 74 48 70

**Classification of the application (IPC):**  
C09J 7/20, C09J 7/38, C09J 7/40, G09F 3/10

**Technical fields searched (IPC):**  
C09J, G09F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	EP 1719808 A2 (EASTMAN CHEM CO [US]) 08 November 2006 (2006-11-08)	1-6, 8, 10, 12, 13, 15
Y	* paragraphs [0001], [0014], [0042], [0044], [0049], [0054], [0059]; figures 12,13 * * paragraphs [0078], [0090], [0120], [0121] * * claims 1,7,17,40,41,62,69,74,107,108,117 *	1-15
Y	US 2010300613 A1 (STOGBAUER CHRISTOPHER PAUL [US] ET AL) 02 December 2010 (2010-12-02) * paragraphs [0012] - [0019] *	1-15
Y	US 2018282584 A1 (MALLYA PRAKASH [US]) 04 October 2018 (2018-10-04) * example 1 *	3
Y	US 2013133532 A1 (KIAN KOUROSH [US] ET AL) 30 May 2013 (2013-05-30) * paragraphs [0001], [0012], [0021], [0024], [0030], [0087], [0097], [0104], [0188]; figure 1; table 1 * * paragraphs [0234], [0236] * * claims 1-47 *	10, 11, 14
X	US 2005061435 A1 (EVERAERTS ALBERT I [US] ET AL) 24 March 2005 (2005-03-24)	1-15
Y	* paragraphs [0006] - [0015], [0047], [0054], [0067] *	4, 5, 9

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 20 September 2022	Examiner Alevizopoulou, M
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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

Application number:  
EP 20 74 48 70

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 20-09-2022  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1719808	A2	08-11-2006	EP 1719808 A2 08-11-2006 EP 1719809 A2 08-11-2006 JP 2006328391 A 07-12-2006 JP 2006341593 A 21-12-2006
US 2010300613	A1	02-12-2010	NONE
US 2018282584	A1	04-10-2018	US 2018282584 A1 04-10-2018 US 2019100682 A1 04-04-2019
US 2013133532	A1	30-05-2013	AU 2012346126 A1 17-07-2014 BR 112014012965 A2 13-06-2017 CN 104093636 A 08-10-2014 EP 2785601 A2 08-10-2014 EP 3404644 A1 21-11-2018 KR 20140097544 A 06-08-2014 MY 176321 A 28-07-2020 RU 2014124643 A 27-01-2016 US 2013133532 A1 30-05-2013 WO 2013082095 A2 06-06-2013 ZA 201403908 B 25-11-2015
US 2005061435	A1	24-03-2005	AT 312147 T 15-12-2005 AU 4534101 A 06-05-2002 DE 60115691 T2 13-07-2006 EP 1328599 A1 23-07-2003 JP 2004512417 A 22-04-2004 US 2005061435 A1 24-03-2005 WO 0234853 A1 02-05-2002