

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/075636

**A. CLASSIFICATION OF SUBJECT MATTER****B29C 49/78**(2006.01)i; **B29C 49/04**(2006.01)i; **B29C 51/46**(2006.01)i; **B29C 51/10**(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	DE 102007030369 A1 (FEUERHERM HARALD [DE]) 02 January 2009 (2009-01-02) paragraphs [0016], [0015], [0022], [0021], [0037], [0050]	1,3-6,8,9,11 2 10
X A	WO 2004007182 A1 (BASELL POLYOLEFINE GMBH [DE]; ROHDE WOLFGANG [DE]; MEYER JOERG [DE]; S) 22 January 2004 (2004-01-22) claims 1,4,5	1,3-5,9,11 10
X Y A	WO 8402874 A1 (FEUERHERM HARALD) 02 August 1984 (1984-08-02) claims 23,24,18,19	1,2,6,7,9 2 8,10
Y	EP 3037242 A1 (KRONES AG [DE]) 29 June 2016 (2016-06-29) paragraphs [0017], [0018]	2

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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Date of mailing of the international search report

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Name and mailing address of the ISA/EP

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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/EP2018/075636**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
DE	102007030369	A1	02 January 2009	DE	102007030369	A1	02 January 2009
				EP	2173533	A2	14 April 2010
				WO	2009003662	A2	08 January 2009
WO	2004007182	A1	22 January 2004	AU	2003250916	A1	02 February 2004
				CN	1668452	A	14 September 2005
				EP	1534496	A1	01 June 2005
				JP	2005532204	A	27 October 2005
				KR	20090128510	A	15 December 2009
				US	2006141184	A1	29 June 2006
				US	2013025778	A1	31 January 2013
				WO	2004007182	A1	22 January 2004
WO	8402874	A1	02 August 1984	EP	0162045	A1	27 November 1985
				WO	8402874	A1	02 August 1984
EP	3037242	A1	29 June 2016	CN	105711063	A	29 June 2016
				DE	102014119563	A1	23 June 2016
				EP	3037242	A1	29 June 2016
				US	2016176099	A1	23 June 2016