



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 85 61 07

Classification of the application (IPC):

B65D 75/38, B65D 77/04, B65G 65/23, B65G 65/40, B31B 70/62, B31B 70/64, B65B 69/00

Technical fields searched (IPC):

B65B, B65D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 3807626 A (GOODRICH J) 30 April 1974 (1974-04-30) * the whole document *	1-15
Y	WO 2011053165 A1 (TETRA LAVAL HOLDINGS & FINANCE [CH]; MAROVIC IVAN [NZ] ET AL.) 05 May 2011 (2011-05-05) * the whole document *	1-15
Y	US 2018009205 A1 (HOENIGMANN MARTIN F [US]) 11 January 2018 (2018-01-11) * column 0060 - column 0060 *	5
A	US 4011798 A (BAMBARA JOHN D ET AL) 15 March 1977 (1977-03-15) * the whole document *	1
A	WO 03031281 A1 (CARTER HOLT HARVEY LTD [NZ]; FRASER STEPHEN CHARLES [NZ]) 17 April 2003 (2003-04-17) * the whole document *	1
A	US 2004265521 A1 (MARZANO DOMENICO [CA]) 30 December 2004 (2004-12-30) * the whole document *	1
A	US 3595468 A (REPKO JOHN P) 27 July 1971 (1971-07-27) * the whole document *	1

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 17 August 2022	Examiner Ungureanu, Mirela
---------------------------	--	-------------------------------

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 |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 85 61 07

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4

relates to a method for processing a step top glued bag by opening the bag using a heater and removing the outer layer

2. claims: 5-15

relates to a heating station for processing a step top glued bag by heating part of the bag and to an apparatus using the named heating station

All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

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 17 August 2022	Examiner Ungureanu, Mirela
----------------------------------	---	--------------------------------------

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 |
| | L: document cited for other reasons |
| & : member of the same patent family, corresponding document | |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 85 61 07

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 17-08-2022
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3807626	A	30-04-1974	CA 978906 A	02-12-1975
			DE 2254640 A1	04-10-1973
			DK 132610 B	12-01-1976
			FR 2176968 A1	02-11-1973
			GB 1411759 A	29-10-1975
			JP S56303 B2	07-01-1981
			JP S4914270 A	07-02-1974
			NL 7214474 A	24-09-1973
			US 3807626 A	30-04-1974
WO 2011053165	A1	05-05-2011	CN 102612468 A	25-07-2012
			EP 2493767 A1	05-09-2012
			US 2012213620 A1	23-08-2012
			WO 2011053165 A1	05-05-2011
US 2018009205	A1	11-01-2018	US 2018009205 A1	11-01-2018
			WO 2018009783 A1	11-01-2018
US 4011798	A	15-03-1977	NONE	
WO 03031281	A1	17-04-2003	AR 036792 A1	06-10-2004
			NZ 514701 A	30-07-2004
			UY 27482 A1	30-05-2003
			WO 03031281 A1	17-04-2003
US 2004265521	A1	30-12-2004	CA 2488172 A1	15-05-2003
			US 2004265521 A1	30-12-2004
			WO 03039981 A1	15-05-2003
US 3595468	A	27-07-1971	NONE	