

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 23550-WOORD	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2020/059717	International filing date (<i>day/month/year</i>) 9 November 2020 (09-11-2020)	(Earliest) Priority Date (<i>day/month/year</i>) 18 November 2019 (18-11-2019)
Applicant WESTROCK PACKAGING SYSTEMS, LLC		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 6 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6**bis**(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☒ **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☐ the text is approved as submitted by the applicant
☒ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 2
☐ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☒ as selected by this Authority, because this figure better characterizes the invention
b. ☐ none of the figures is to be published with the abstract

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Aspects of the disclosure relate to a package, a carrier 90 for packaging one or more articles B and a blank 10 for forming the carrier. The package comprises an article carrier and one or more articles. The carrier comprises an engaging panel 18 having one or more top-receiving openings A2,A3. Each of the one or more articles is received in a respective one of the top-receiving openings so as to be secured to the engaging panel. The carrier further comprises at least one wing panel 20. The at least one wing panel is hinged to the engaging panel and the wing panel is adhered to at least one article.

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-16, 28

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2020/059717

A. CLASSIFICATION OF SUBJECT MATTER
INV. B65D71/42
ADD.

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)
B65D

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	EP 0 116 891 A2 (WADDINGTONS LTD [GB]) 29 August 1984 (1984-08-29)	1-4,9, 10,13,28
Y	page 4, line 31 - page 5, line 25; figures	5-8,11, 12,14-16
Y	----- WO 2011/075626 A2 (GRAPHIC PACKAGING INT INC [US]; DEPAULA ANDREA COLTRI [US] ET AL.) 23 June 2011 (2011-06-23) paragraph [0030]; figures	5-8
Y	----- US 4 190 149 A (OLIFF JAMES R [US] ET AL) 26 February 1980 (1980-02-26) column 2, lines 1-12; figures	5-8
Y	----- WO 96/19393 A1 (MEAD CORP [US]) 27 June 1996 (1996-06-27) page 5, line 31 - page 6, line 31; figures	11,12, 14-16



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 February 2021

Date of mailing of the international search report

21/04/2021

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2020/059717

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0116891	A2	29-08-1984	AU	2451384 A	23-08-1984
			EP	0116891 A2	29-08-1984
			ZA	841098 B	26-09-1984

WO 2011075626	A2	23-06-2011	BR 112012014793	A2	21-06-2016
			CA	2784750 A1	23-06-2011
			CN	102725206 A	10-10-2012
			EP	2512951 A2	24-10-2012
			ES	2537545 T3	09-06-2015
			JP	5535333 B2	02-07-2014
			JP	2013514946 A	02-05-2013
			MX	343570 B	09-11-2016
			US	2011226845 A1	22-09-2011
			US	2013104500 A1	02-05-2013
			WO	2011075626 A2	23-06-2011

US 4190149	A	26-02-1980	NONE		

WO 9619393	A1	27-06-1996	AR	000408 A1	18-06-1997
			AT	197273 T	15-11-2000
			AT	276159 T	15-10-2004
			AU	4740396 A	10-07-1996
			CZ	292783 B6	17-12-2003
			DE	69519307 T2	29-03-2001
			DE	69533527 T2	29-09-2005
			DK	0796207 T3	27-11-2000
			EP	0796207 A1	24-09-1997
			EP	1029801 A1	23-08-2000
			ES	2152438 T3	01-02-2001
			GR	3035103 T3	30-03-2001
			HU	221529 B	28-11-2002
			NO	314987 B1	23-06-2003
			PE	55996 A1	19-12-1996
			PL	320828 A1	10-11-1997
			PT	796207 E	30-03-2001
			RU	2156214 C2	20-09-2000
			SK	81997 A3	14-01-1998
			TW	285654 B	11-09-1996
			US	5553705 A	10-09-1996
			WO	9619393 A1	27-06-1996

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16, 28

Article carrier comprising a main panel with openings and a wing panel adhereable to the at least one article.

2. claims: 17-27

Article carrier comprising a main panel with partially toothed openings.
