

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

100080
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Haidian District, Beijing

WU, FENG & ZHANG CO.

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing

(day/month/year)

06 February 2018

Applicant's or agent's file reference

F17W0364

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/CN2017/087641

International filing date (day/month/year)

09 June 2017

Priority date (day/month/year)

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

B32B 27/30(2006.01)i

Applicant

DOW GLOBAL TECHNOLOGIES LLC et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/

**STATE INTELLECTUAL
PROPERTY OFFICE OF THE
P.R.CHINA
China 6, Xitucheng Rd., Jimen Bridge,
Haidian District, Beijing 100088**

Date of completion of this opinion

31 January 2018

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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/CN2017/087641

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established 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)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a)).
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
☐ on paper
☐ in electronic form
 - b. (time)
☐ in the international application as filed
☐ together with the international application in electronic form
☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement																		
1. Statement	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; vertical-align: top;">Novelty (N)</td> <td style="width: 35%; border-bottom: 1px solid black;">Claims 1-15</td> <td style="width: 30%; text-align: right; border-bottom: 1px solid black;">YES</td> </tr> <tr> <td></td> <td style="border-bottom: 1px solid black;">Claims None</td> <td style="text-align: right; border-bottom: 1px solid black;">NO</td> </tr> <tr> <td style="vertical-align: top;">Inventive step (IS)</td> <td style="border-bottom: 1px solid black;">Claims 1-15</td> <td style="text-align: right; border-bottom: 1px solid black;">YES</td> </tr> <tr> <td></td> <td style="border-bottom: 1px solid black;">Claims None</td> <td style="text-align: right; border-bottom: 1px solid black;">NO</td> </tr> <tr> <td style="vertical-align: top;">Industrial applicability (IA)</td> <td style="border-bottom: 1px solid black;">Claims 1-15</td> <td style="text-align: right; border-bottom: 1px solid black;">YES</td> </tr> <tr> <td></td> <td style="border-bottom: 1px solid black;">Claims None</td> <td style="text-align: right; border-bottom: 1px solid black;">NO</td> </tr> </table>	Novelty (N)	Claims 1-15	YES		Claims None	NO	Inventive step (IS)	Claims 1-15	YES		Claims None	NO	Industrial applicability (IA)	Claims 1-15	YES		Claims None	NO
Novelty (N)	Claims 1-15	YES																	
	Claims None	NO																	
Inventive step (IS)	Claims 1-15	YES																	
	Claims None	NO																	
Industrial applicability (IA)	Claims 1-15	YES																	
	Claims None	NO																	
2. Citations and explanations :	[1] I. Citation: [2] D1: US3713965A 30 Jan. 1973 (30.01.1973) [3] D1 discloses a Non-blocking laminated packaging film consists of a first layer of a crystalline vinylidene chloride-vinyl chloride copolymer and a second layer of a copolymer of 72-83 wt.% ethylene and 17-28 wt.% vinyl acetate which is blended with ≥ 1 wt.% CaCO_3 and ≥ 3 wt.% of a fatty acid 10-22C alkylamide. The EVA copolymer pref. has a melt index of 2-20 and the alkylamide is pref. stearamide. (see claim 1) . [4] II. Novelty: [5] To claims 1-15, D1 is considered to be the most relevant prior art, D1 does not explicitly or implicitly disclose the subject-matter of claims 1-15, therefore, claims 1-15 are novel and meet the criteria set out in PCT Article 33(2). [6] III. Inventive step: [7] 1.Claim 1 claims a coextruded multilayer film.As discussed above, D1 is considered to be the most relevant prior art.The subject-matter of claim 1 is different from D1 in that: [8] claim 1 discloses" the density and the melt index of the first ethylene-based polymer,an unsaturated primary fatty acid amide having a melting point of 100 °C or less , saturated primary fatty acid amide having a melting point greater than 100 °C the unsaturated primary fatty acid amide and the saturated primary fatty acid amide having a weight ratio of from 3: 1 to 1: 6",which does not exist in D1.The above technical feature is neither indicated nor obviously rendered from the prior art.Therefore,the subject-matter of claim 1 involves an inventive step and meets the criteria set out in PCT Article 33(3). [9] 2. When claim 1 is not obvious, the subject-matter of claims 2-6 involves an inventive step and meets the criteria set out in PCT Article 33(3). [10] 3. Claims 7-8 claim a laminate.As discussed above, D1 is considered to be the most relevant prior art.The subject-matter of claim 8 is different from D1 in that: see the opinion of claims 1.which does not exist in D1.The above technical feature is neither indicated nor obviously rendered from the prior art.Therefore,the subject-matter of claim 8 involves an inventive step and meets the criteria set out in PCT Article 33(3). [11] 4. When claim 8 is not obvious, the subject-matter of claims 9-15 does not involve an inventive step of PCT Article 33(3). [12] IV. Industrial applicability [13] The inventions of claims 1-15 can find industrial applicability, therefore meet the requirement of PCT Article 33(4).																		

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Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

- [1] Claims 4-6 and 11-15 are multiple dependent claims, but they refer to preceding multiple dependent claims, therefore, claims 4-6 and 11-15 do not meet PCT Rule 6.4(a).