

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference <b>MEDIPOLPCT13</b>	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. <b>PCT/TR2018/050168</b>	International filing date ( <i>day/month/year</i> ) <b>14 April 2018 (14.04.2018)</b>	Priority date ( <i>day/month/year</i> ) <b>28 April 2017 (28.04.2017)</b>	
International Patent Classification (8th edition unless older edition indicated) <b>See relevant information in Form PCT/ISA/237</b>			
Applicant <b>T.C. ISTANBUL MEDIPOL UNIVERSITESI</b>			

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
<p>3. This report contains indications relating to the following items:</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).</p>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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	Date of issuance of this report <b>29 October 2019 (29.10.2019)</b>
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# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

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**Incirli Cad. Kibris Sok. Akkul Apt. No:5 D:10**  
**34145 Bakirkoy/Istanbul**  
**Turkey**

## PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)		<b>08 February 2019</b>
Applicant's or agent's file reference <b>MEDIPOLPCT13</b>		<b>FOR FURTHER ACTION</b> See paragraph 2 below
International application No. <b>PCT/TR2018/050168</b>	International filing date (day/month/year) <b>14 April 2018</b>	Priority date (day/month/year) <b>28 April 2017</b>
International Patent Classification (IPC) or both national classification and IPC <b>B05D 5/06(2006.01)i; B44C 5/00(2006.01)i; B44C 1/00(2006.01)i</b>		
Applicant <b>T.C. ISTANBUL MEDIPOL UNIVERSITESI</b>		

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/TR <b>Turkish Patent and Trademark Office</b> <b>(Turkpatent)</b> <b>Hipodrom Caddesi No. 115</b> <b>06560 Yenimahalle</b> <b>Ankara</b> <b>Turkey</b> Telephone No. <b>(90-312) 303 11 82</b> Facsimile No. <b>+903123031220</b>	Date of completion of this opinion <b>08 February 2019</b>	Authorized officer  <b>irem tomak</b>  Telephone No. <b>5333498995</b> Facsimile No.
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/TR2018/050168

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:
  - a.  forming part of the international application as filed:
    - in the form of an Annex C/ST.25 text file.
    - on paper or in the form of an image file.
  - b.  furnished together with the international application under PCT Rule 13*ter*.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
  - c.  furnished subsequent to the international filing date for the purposes of international search only:
    - in the form of an Annex C/ST.25 text file (Rule 13*ter*.1(a)).
    - on paper or in the form of an image file (Rule 13*ter*.1(b) and Administrative Instructions, Section 713).
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 forming part of 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.

**PCT/TR2018/050168**

**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

Novelty (N)	Claims	<u>1-11</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-11</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-11</u>	YES
	Claims	_____	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: US2002102388  
D2: JPS61266333  
D3: CN103754045  
D4: JPS61168553 A

Novelty and Inventive Step:

D1 represents the most relevant state of the art. D1 does not disclose a system comprising a holder, stabilizer, heating element, relief mold, sprayer, control unit and color reservoirs for use on production line for addition of design elements onto hot glass as in claim 1.

Therefore, the independent claim 1 and the dependent claims 2- 11 are new under PCT Article 33 (2).

The objective technical problem of the present invention is to obtain design flexibility by applying particular design additions such as color, pattern, texture, decor, seal and form changing processes to hot glass and in doing so, removing the need for refiring of the decorated glass product.

The system in claim 1 is not obvious to the skilled person in the art with respect to documents D1-D4 either taken alone or in combination.

Therefore the independent claim 1 and the dependent claims 2-11 meet the requirements of PCT Article 33 (3) with respect to inventive step.

Industrial Applicability

Claims 1-11 are industrially applicable under PCT Article 33 (4).