

## PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:  | NEW ASSIGNMENT                          |               |                |                     |            |                            |            |                       |            |
|---|---|---------------|----------------|---------------------|------------|----------------------------|------------|-----------------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                              |               |                |                     |            |                            |            |                       |            |
| CONVEYING PARTY DATA  |   |               |                |                     |            |                            |            |                       |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>EDIZ BATMAZ</td> <td>10/04/2013</td> </tr> <tr> <td>BARBARA BURZINSKI HARTLIEP</td> <td>10/04/2013</td> </tr> <tr> <td>RICARDO REYES-TREVINO</td> <td>10/15/2013</td> </tr> </tbody> </table> |   | Name          | Execution Date | EDIZ BATMAZ         | 10/04/2013 | BARBARA BURZINSKI HARTLIEP | 10/04/2013 | RICARDO REYES-TREVINO | 10/15/2013 |
| Name  | Execution Date                          |               |                |                     |            |                            |            |                       |            |
| EDIZ BATMAZ   | 10/04/2013                              |               |                |                     |            |                            |            |                       |            |
| BARBARA BURZINSKI HARTLIEP  | 10/04/2013                              |               |                |                     |            |                            |            |                       |            |
| RICARDO REYES-TREVINO   | 10/15/2013                              |               |                |                     |            |                            |            |                       |            |
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| PROPERTY NUMBERS Total: 1   |   |               |                |                     |            |                            |            |                       |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14007263</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 14007263   |                            |            |                       |            |
| Property Type   | Number                                  |               |                |                     |            |                            |            |                       |            |
| Application Number:   | 14007263                                |               |                |                     |            |                            |            |                       |            |
| CORRESPONDENCE DATA   |   |               |                |                     |            |                            |            |                       |            |
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| Email:  | patentdepartment@rd.nestle.com          |               |                |                     |            |                            |            |                       |            |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>  |   |               |                |                     |            |                            |            |                       |            |
| Correspondent Name:   | NESTEC S.A. ATTN: PATENT DEPARTMENT     |               |                |                     |            |                            |            |                       |            |
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| ATTORNEY DOCKET NUMBER:   | 11401-US-PCT                            |               |                |                     |            |                            |            |                       |            |
| NAME OF SUBMITTER:  | GARY M. LOBEL                           |               |                |                     |            |                            |            |                       |            |
| Signature:  | /Gary M. Lobel, Registration No. 51155/ |               |                |                     |            |                            |            |                       |            |
| Date:   | 12/19/2013                              |               |                |                     |            |                            |            |                       |            |

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Total Attachments: 4

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**ASSIGNMENT**

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

|                            |             |   |
|----------------------------|-------------|---|
| Ediz BATMAZ                | residing at | 4872 E Meadows Ct. SE<br>Grand Rapids, MI 49546, US |
| Barbara Burzinski HARTLIEP | residing at | 18136 Lovell Rd<br>Spring Lake, MI 49456, US        |
| Ricardo REYES-TREVINO      | residing at | 2263 New Town Dr. NE<br>Grand Rapids, MI 49525, US  |
| Ernst BEUTLER              | residing at | Oberfeldstrasse 58<br>Langnau, 3550, CH             |

do hereby sell, assign and transfer to **Nestec S.A.**, a company organized under the laws of the Swiss Confederation, of Avenue Nestlé 55, CH-1800 Vevey, Switzerland, and its successors, assigns and legal representatives, all of our right, title and interest for all countries of the world hereinafter referred to collectively as the "**ASSIGNEES**" in and to (1) all of our inventions and discoveries described in the patent provisional or non-provisional patent application(s) titled

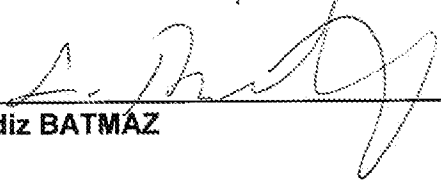
**SYSTEMS AND METHODS FOR HEAT EXCHANGE**

and filed in the United States Patent and Trademark Office on September 24, 2013, and accorded Application Number 14/007,263, (2) the patent application(s) identified in (1), (3) the right to file patent applications on said inventions and discoveries in the names of **ASSIGNEES** or their designees or in our names, at their election and in accordance with applicable law in all countries and regions, (4) for all patent applications, all rights of priority based upon the patent application identified in (1) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the patent application identified in (1) is a provisional patent application, under 35 USC 119(e), (5) all patent applications in all countries and regions claiming the priority of the patent application identified in (1) and only one or more inventions and/or discoveries disclosed in said patent application (including national stages of any international patent application), (6) all continuations and divisions of any non-provisional patent application identified in (1) and any patent application within the scope of (5) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2), (5) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said **ASSIGNEES** and their successors, assigns

and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEES** or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute all additional patent applications within the scope of (5) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts required for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEES** or their successors, assigns or legal representatives.

Executed this 14<sup>th</sup> day of October, 2013.

  
\_\_\_\_\_  
**Ediz BATMAZ**

Executed this 14<sup>th</sup> day of October, 2013.

  
\_\_\_\_\_  
**Barbara Burzinski HARTLIEP**

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Ricardo REYES-TREVINO**

and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

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Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Ediz BATMAZ**

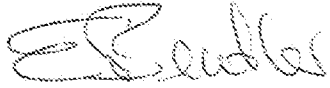
Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Barbara Burzinski HARTLIEP**

Executed this 15 day of October, 2013.

  
\_\_\_\_\_  
**Ricardo REYES-TREVINO**

Executed this 4<sup>th</sup> day of Oct., 2013



Ernst BEUTLER