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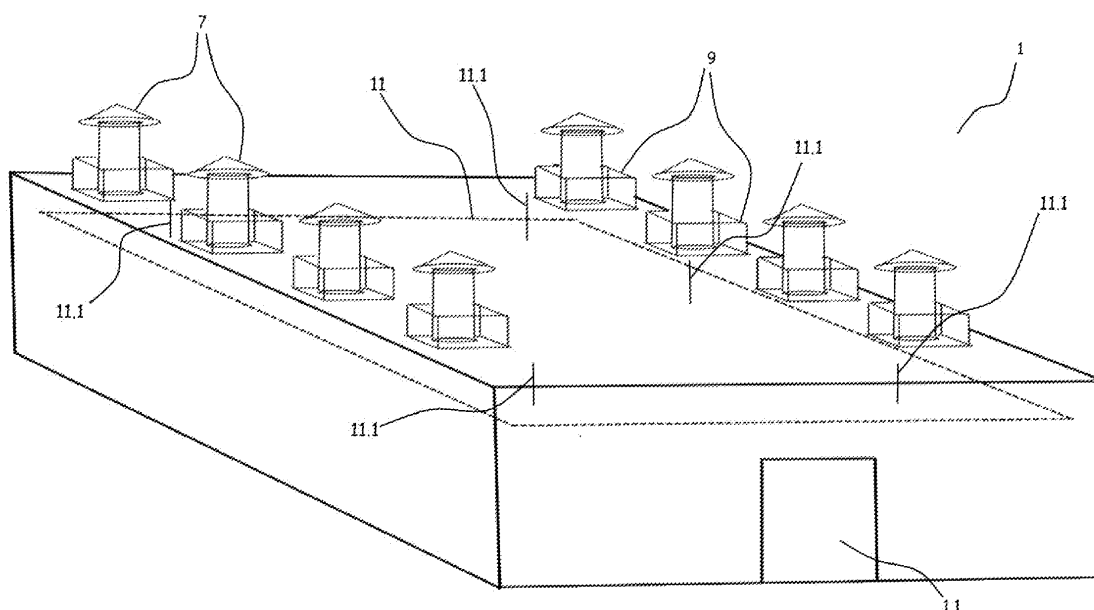
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(54) **Firing and drying system**

(57) The invention relates to a firing and drying system (8), which is developed for both reducing moisture of the product and during drying reducing the amount of micro organisms found in the product via its very special air speeds, very high air flows, and equal temperatures in order to obtain semi-dried products from fresh fruits

and vegetables in the food sector, and which comprising a computer (10); a steam boiler; and a drying room (1) which comprises fans (2), fan motors (2.1), fan cabinets (3), product trays (4), tray carts (5), serpentine (6), chimneys (7), chimney motors (9), suspended ceiling (11), humidity and temperature sensors.



**Figure 1**



## EUROPEAN SEARCH REPORT

Application Number  
EP 10 15 5734

| DOCUMENTS CONSIDERED TO BE RELEVANT  |  |   |   |
|--|--|---|---|
| Category   | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim   | CLASSIFICATION OF THE APPLICATION (IPC)         |
| Y  | EP 0 142 071 A2 (LIGNOMAT GMBH [DE])<br>22 May 1985 (1985-05-22)<br>* page 1, line 1 - page 2, line 9; figure 1 *<br>* page 9, line 11 - page 10, line 27 *<br>* page 11, line 6 - page 12, line 10 *<br>-----   | 1-12  | INV.<br>F26B21/02<br>F26B21/06<br>F26B25/06     |
| Y  | US 1 804 107 A (MUELLER MORITZ L)<br>5 May 1931 (1931-05-05)<br>* page 1, lines 1,2; figures 1-4 *<br>* page 2, line 20 - line 61 *<br>* page 2, line 95 - page 3, line 11 *<br>* page 3, line 44 - line 56 *<br>* page 3, line 93 - line 101 *<br>* page 4, line 20 - line 27 *<br>* page 4, line 33 - line 36 *<br>-----                           | 1-12  |   |
| A  | US 2 340 633 A (WIGELSWORTH ARTHUR E)<br>1 February 1944 (1944-02-01)<br>* page 1, column 1, line 1 - line 7; figures 1-5 *<br>* page 1, column 1, line 46 - column 2, line 27 *<br>* page 1, column 2, line 51 - page 2, column 1, line 38 *<br>* page 2, column 1, line 56 - column 2, line 8 *<br>* page 3, column 2, line 1 - line 48 *<br>----- | 1,5,6,10  | TECHNICAL FIELDS SEARCHED (IPC)<br>F26B<br>A23N |
| A  | US 3 659 352 A (COOK FRANKLIN W)<br>2 May 1972 (1972-05-02)<br>* column 1, line 4 - line 10; figures 1,2 *<br>* column 2, line 57 - column 3, line 18 *<br>* column 3, line 60 - line 62 *<br>-----  | 1,8,9,11  |   |
| A  | GB 378 339 A (HARTWIG BERGE)<br>11 August 1932 (1932-08-11)<br>* the whole document *<br>-----   | 1,3   |   |
| The present search report has been drawn up for all claims   |  |   |   |
| Place of search<br>The Hague   |  | Date of completion of the search<br>19 April 2011   | Examiner<br>Hauck, Gunther                      |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>-----<br>& : member of the same patent family, corresponding document |   |

 2  
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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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  
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19-04-2011

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) |            | Publication<br>date |
|---|----|---------------------|----------------------------|------------|---------------------|
| EP 0142071                                | A2 | 22-05-1985          | DE                         | 3340489 A1 | 14-08-1985          |
|   |    |                     | FI                         | 844403 A   | 10-05-1985          |
| -----                                     |    |                     |                            |            |                     |
| US 1804107                                | A  | 05-05-1931          | NONE                       |            |                     |
| -----                                     |    |                     |                            |            |                     |
| US 2340633                                | A  | 01-02-1944          | NONE                       |            |                     |
| -----                                     |    |                     |                            |            |                     |
| US 3659352                                | A  | 02-05-1972          | NONE                       |            |                     |
| -----                                     |    |                     |                            |            |                     |
| GB 378339                                 | A  | 11-08-1932          | NONE                       |            |                     |
| -----                                     |    |                     |                            |            |                     |