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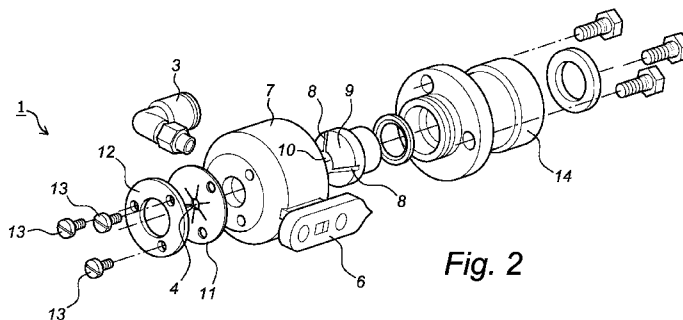
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- (88) Date of publication of the international search report:
27 December 2012

(54) Title: SPRAYHEAD, SPRAYING SYSTEM, PRODUCTION LINE AND METHOD FOR THE AT LEAST PARTIAL COVERING OF FOOD WITH A LIQUID CONSUMABLE MEDIUM



(57) Abstract: The invention relates to a spray nozzle (1) for spraying a liquid consumable medium. The invention also relates to a device (50) and a method for at least partially coating food parts, more particularly meat and fish parts, with a liquid consumable medium, wherein the device is provided with a housing (51) with a spraying space (52); a belt conveyor (53) for food parts; a spray nozzle (54) and a collecting receptacle (56) lying under the spray nozzle.



INTERNATIONAL SEARCH REPORT

International application No PCT/NL2012/050199

A. CLASSIFICATION OF SUBJECT MATTER INV. B05B7/04 A23B4/30 A23P1/08 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) B05B A23B A23L A23P A22C		
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	WO 2008/001301 A2 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP [US]; DUINEVELD PAUL) 3 January 2008 (2008-01-03)	1,2,4,5
A	abstract; figures 1-4 page 1, line 24 - page 2, line 2 page 2, line 25 - line 30 page 3, line 11 - line 13 page 3, line 21 - line 29	3,6
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A	abstract; figures 1-12 column 3, line 34 - line 57 column 3, line 58 - column 4, line 9	2,4,5
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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	"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	
"E" earlier application or patent but published on or after the international filing date	"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	
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	Date of mailing of the international search report	
18 September 2012	06/11/2012	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Balzar, Maarten	

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International application No

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2012/050199

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.:

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-6

Sprayhead with mixing chamber to mix a consumable liquid with air wherein the mixing room has an exit for the liquid/gas mixture with a flexible side/wall.

2. claims: 7-24

Apparatus/method for the spraying of foodstuff and a production line to process food products comprising the apparatus/method for the spraying of foodstuff.
