

(19)



(11)

EP 3 081 688 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
02.11.2016 Bulletin 2016/44

(51) Int Cl.:
D06F 58/24 ^(2006.01)

(43) Date of publication A2:
19.10.2016 Bulletin 2016/42

(21) Application number: **16169116.7**

(22) Date of filing: **20.12.2011**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(30) Priority: **22.12.2010 IT RN20100080**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
11810676.4 / 2 655 725

(71) Applicant: **Indesit Company S.p.A.**
60044 Fabriano (AN) (IT)

(72) Inventors:
• **PAOLINI, William**
63857 Amandola (FM) (IT)
• **CESARONI, Andrea**
60035 Jesi (AN) (IT)
• **MARCHESI, Nicola**
60044 Fabriano (AN) (IT)
• **MANCINI, Mauro**
60044 Fabriano (AN) (IT)

(74) Representative: **Guerci, Alessandro et al**
Whirlpool Europe S.r.l.
Patent Department
Viale G. Borghi 27
21025 Comerio (VA) (IT)

(54) ELECTRICAL HOUSEHOLD APPLIANCE

(57) The invention relates to an improved electrical household appliance for drying laundry, comprising:

- i) a drying compartment (2);
- ii) a line (3) for extracting a gaseous fluid from the drying compartment (2), the extraction line (3) comprising a condenser (4) which allows the condensation of at least a part of the vapour present in the gaseous fluid.

The condenser (4) comprises:

- a channel (41) for the passage of the gaseous fluid from the drying compartment (2);

- a channel (42) for the passage of a refrigerant fluid.

The condenser (4) comprises a condensing wall (40) which separates the channel (41) for the passage of the gaseous fluid from a first part of the channel (42) for the passage of the refrigerant fluid.

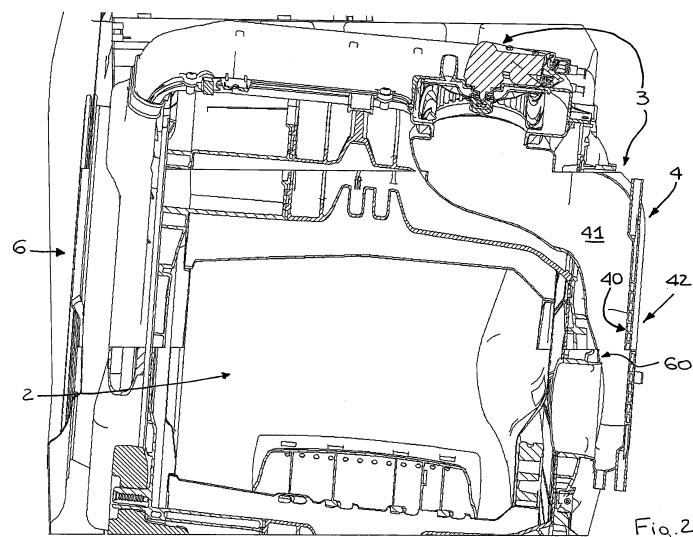


Fig. 2

EP 3 081 688 A3



EUROPEAN SEARCH REPORT

Application Number
EP 16 16 9116

5

10

15

20

25

30

35

40

45

50

55

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 0 429 953 A2 (BOSCH SIEMENS HAUSGERAETE [DE]) 5 June 1991 (1991-06-05) * column 3, line 52 - column 5, line 20; figures 1-3 *	1-9	INV. D06F58/24
Y	FR 2 486 220 A1 (SUEDEDEUTSCHE KUEHLER BEHR [DE]) 8 January 1982 (1982-01-08) * page 4, line 12 - page 5, line 21; figures 1-4 *	1-9	
Y	EP 0 743 389 A1 (ELECTROLUX ZANUSSI ELETTRODOME [IT]) 20 November 1996 (1996-11-20) * column 3, line 5 - column 4, line 12; claim 1; figure 1 *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			D06F
2 The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		22 June 2016	Fachin, Fabiano
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 16 16 9116

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-9(partially)

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number

EP 16 16 9116

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9(partially)

Washer dryer with a condenser having a condensing wall and draining means in fluid communication with the refrigerant fluid channel

2. claims: 1-9(partially)

Household appliance having a condenser with a condensing wall wherein the first part of the refrigerant fluid passage has a winding shape.

3. claims: 1-9(partially)

Household appliance having a condenser with a condensing wall wherein the refrigerant fluid channel comprises a tank having an opening putting it in fluid communication with the process fluid.

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

EP 16 16 9116

5 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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-06-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0429953 A2	05-06-1991	DE 3939855 A1 EP 0429953 A2	06-06-1991 05-06-1991
FR 2486220 A1	08-01-1982	DE 8017935 U1 FR 2486220 A1	02-10-1980 08-01-1982
EP 0743389 A1	20-11-1996	DE 69603225 D1 DE 69603225 T2 EP 0743389 A1 ES 2138262 T3 IT PN950026 A1	19-08-1999 11-11-1999 20-11-1996 01-01-2000 18-11-1996