



(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 862 893 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
21.10.1998 Bulletin 1998/43

(51) Int. Cl.⁶: **A47L 15/48**

(43) Date of publication A2:
09.09.1998 Bulletin 1998/37

(21) Application number: **98100574.7**

(22) Date of filing: **15.01.1998**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• **Rapke, Harry**
21025 Comerio (IT)
• **Buser, Josef**
21025 Comerio (IT)

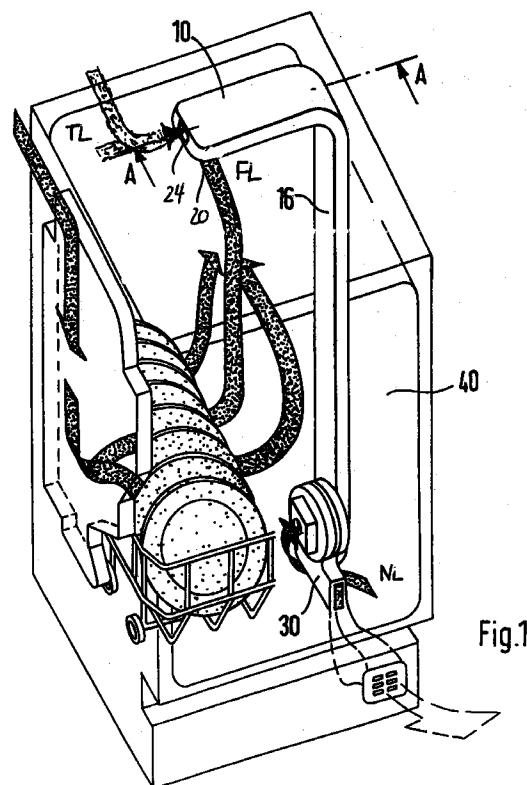
(30) Priority: **06.02.1997 DE 19704430**

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

(71) Applicant: **WHIRLPOOL CORPORATION**
Benton Harbor Michigan 49022 (US)

(54) Dish-washing machine

(57) The invention relates to a dish-washing machine having a washing area receiving the dishes and into which an extraction line opens, via which hot vapour-saturated air is sucked out of the washing area by means of a fan (30), on which machine the extraction line begins in a blocking device (10) with an extraction aperture (15) which is arranged in the roof region of the washing area, and has a valve disc (13) as a blocking element, on which when the fan is switched on, the valve disc releases the extraction aperture (15) and on which, when the fan is switched off, the valve disc returns to the initial position on the basis of its own weight and closes the extraction aperture. At the entrance to the blocking device, warm dry air (TL) is already mixed with the hot vapour-saturated air (FL) extracted from the washing area (40), with the result that the mixed air which is led to the extraction line cannot lead to the formation of condensation in the extraction line.



EP 0 862 893 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 10 0574

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D, A	DE 296 01 313 U (BAUKNECHT HAUSGERAETE) 13 June 1996 * the whole document * -----	1	A47L15/48
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A47L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 August 1998	Examiner Madsen, P
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)