



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
03.01.2001 Bulletin 2001/01

(51) Int. Cl.⁷: **A47L 15/22**

(43) Date of publication A2:
08.11.2000 Bulletin 2000/45

(21) Application number: **00107218.0**

(22) Date of filing: **01.04.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
 MC NL PT SE**

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **03.05.1999 IT PN990016 U**

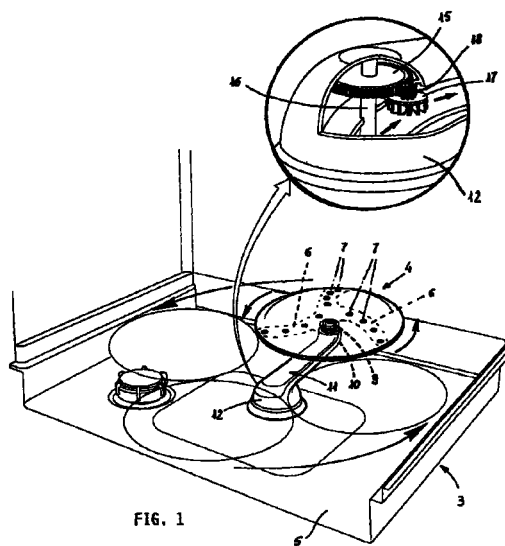
(71) Applicant:
**Electrolux Zanussi S.p.A.
 33170 Pordenone (IT)**

(72) Inventor: **Favaro, Daniele**
30020 Pramaggiore, Venezia (IT)

(74) Representative:
Busca, Luciano et al
PROPRIA S.r.l.
Via Mazzini 13
33170 Pordenone (IT)

(54) **Dishwashing machine with epicycloidal spray apparatus**

(57) The dishwashing machine comprises an epicycloidal spray apparatus (4) which has a spray arm (6) mounted rotatably about an axis (8) on a tubular arm (11) that is in turn capable of rotating about an axis (13) passing through the centre of a washing vessel (3) with a rectangular plan outline. The spray arm (6) extends from the axis of rotation (8) of the spray apparatus for a radial length (R) that is equal to one fourth of the shortest inner side (L) of the washing vessel (3), and corresponds to the distance (A) between the two axis of rotation (8, 13).





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 10 7218

| 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.7) |
| X | US 5 579 789 A (WHIRLPOOL CORPORATION) 3 December 1996 (1996-12-03) * the whole document * --- | 1,2,4 | A47L15/22 |
| X | US 1 392 476 A (H. B. CORPORATION) 4 October 1921 (1921-10-04) * the whole document * --- | 1,2,4 | |
| X | US 5 477 874 A (MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.) 26 December 1995 (1995-12-26) * abstract; figures * --- | 1,2 | |
| X | DE 44 16 655 A (H. GUTÖHRLEIN) 16 November 1995 (1995-11-16) * abstract; figures * --- | 1,2 | |
| A | GB 2 221 384 A (CREDA LIMITED) 7 February 1990 (1990-02-07) * abstract; figures * ----- | 1,3 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| | | | A47L |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of the search | Examiner |
| THE HAGUE | | 7 November 2000 | Courrier, G |
| CATEGORY OF CITED DOCUMENTS | | | |
| X : particularly relevant if taken alone | | T : theory or principle underlying the invention | |
| Y : particularly relevant if combined with another document of the same category | | E : earlier patent document, but published on, or after the filing date | |
| A : technological background | | D : document cited in the application | |
| O : non-written disclosure | | L : document cited for other reasons | |
| P : intermediate document | | & : member of the same patent family, corresponding document | |

EPO FORM 1508 03/82 (P/AC01)

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

EP 00 10 7218

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.

07-11-2000

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 5579789 A | 03-12-1996 | NONE | |
| US 1392476 A | 04-10-1921 | NONE | |
| US 5477874 A | 26-12-1995 | US 5542443 A | 06-08-1996 |
| DE 4416655 A | 16-11-1995 | NONE | |
| GB 2221384 A | 07-02-1990 | NONE | |

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82