

(19)



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(11)

EP 0 887 041 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.05.1999 Bulletin 1999/21

(51) Int Cl.⁶: **A47L 15/13**

(43) Date of publication A2:
30.12.1998 Bulletin 1998/53

(21) Application number: **98202060.4**

(22) Date of filing: **19.06.1998**

(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

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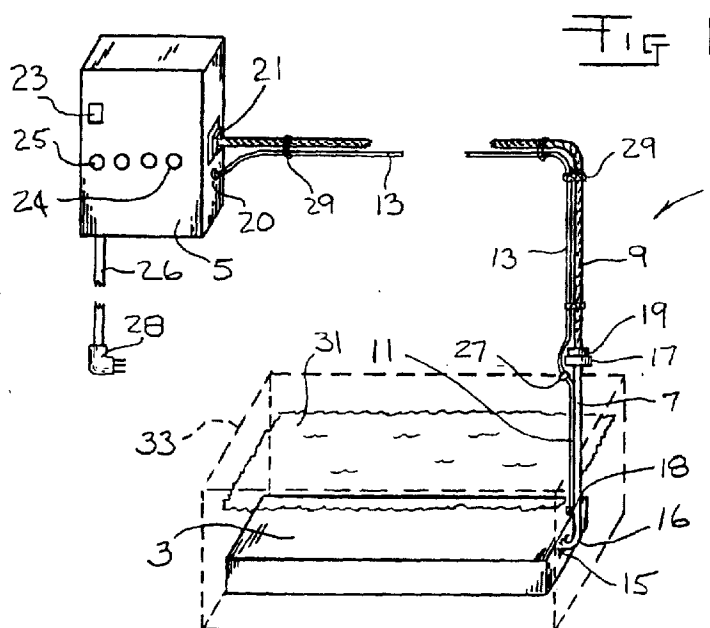
(30) Priority: **26.06.1997 US 883401**

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(54) Ultrasonic cleaning system

(57) A portable ultrasonic cleaning system (1), comprising an ultrasonic transducer (49) contained within a submersible housing (3) to be removably placed in a liquid (31) in a bath (33) for receiving items (36) to be cleaned, a controller (5) for operating the transducer, a tubular conduit (7) attached to the housing and extending from the housing out of the liquid bath to a flexible electrical cable (9) attached to the controller. The clean-

ing system may employ a submersible low liquid level sensor (18), either as a separate submersible item in the liquid bath, or as an integral part of the transducer hardware. The low liquid level sensor may be mechanically mounted to the tubular conduit leading to the transducer housing, or it may be mounted on the housing itself. The cleaning system is especially adapted for cleaning kitchen ware.





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EUROPEAN SEARCH REPORT

Application Number
EP 98 20 2060

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 1 April 1999	Examiner Debard, M
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 (P04/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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