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(54) Device for washing the ceiling of a dishwasher's tank

(57) A device for washing the ceiling of a dishwasher's tank essentially consists of three members: a case (1), a coupling nut (2) and a rotor (3) that rotates about a vertical axis. The rotor (3) is made up of a plurality of vertical vanes (4) linked at their internal ends to a blind hollow cylindrical hub (5) provided with a horizontal nozzle (6) in correspondence to each vane (4). The hub (5)

has a central vertical conduit (7) passing through the nut (2) so as to project into the case (1), and blocked therein by means of an O-ring (8) leaning upon a slide ring (9). Each vane (4) is essentially S-shaped and provided with an intermediate deflector (10) and an end deflector (11), in order to set the rotor (3) into rotation and to convert the horizontal jet coming out from the relevant nozzle (6) into a vertical water film.

Fig. 1

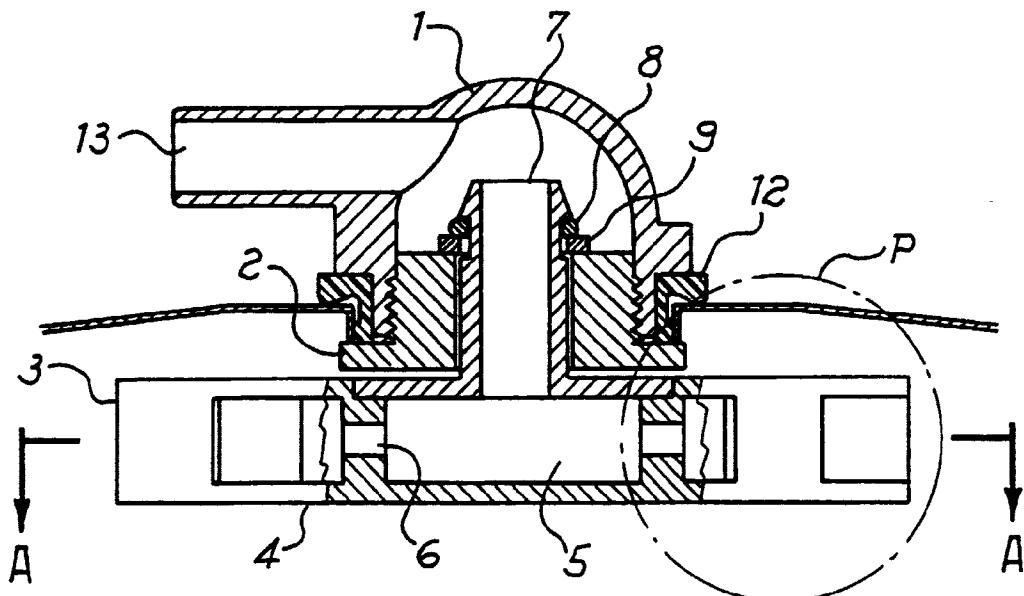
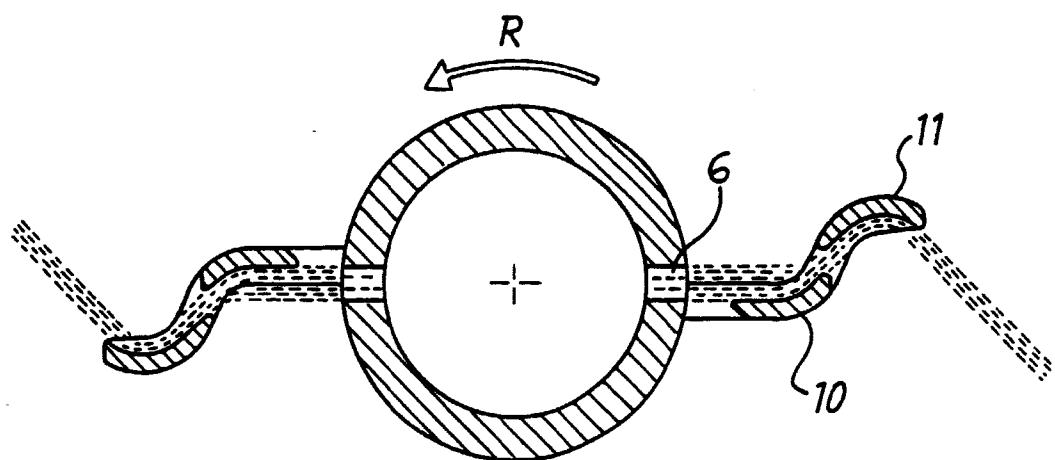


Fig.2





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 83 0502

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP 0 524 102 A (ESSWEIN SA) * column 4, line 9 - line 48 * * figures 1-3 * ---	1,6	A47L15/23
X	CH 442 647 A (ROWENTA METALLWARENFABRIK GMBH) * column 3, line 4 - line 16 * * figures 1,2 * ---	1,6	
X	US 2 987 260 A (SASNETT RUSSELL) * column 3, line 30 - line 70; figure 2 * ---	1,4,6	
A	GB 633 496 A (WATSON FRANK) * page 2, line 38 - line 85; figures 4,5,13 * -----	1-3,5,6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A47L
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	13 May 1998	Norman, P	
CATEGORY OF CITED DOCUMENTS		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	
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			