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(54) **Process for assembling a shaft and a flange for the support of a rotating basket of a washing machine, and assembly thus obtained**

(57) A process for assembling a supporting and driving shaft (3) of a rotating basket for a washing machine with a flange (1) for coupling the shaft to the basket includes: formation of a cylindrical seat (2) in said flange which is able to receive a first portion (8) of the larger diameter of the said shaft (3), said cylindrical seat being frontally provided with a hole (4) having a reduced diameter for passage of a second portion (9, 10, 11) of said shaft; insertion of said shaft (3) in said seat (2) in such a way that said first portion abuts against an edge (6) of said hole (4); swaging of at least one part of said second portion (9, 10, 11) against said edge (6) of hole (4), so that said edge (6) of hole (4) is closed between said first portion (8) and said second swaged portion (9, 10, 11) of the shaft.

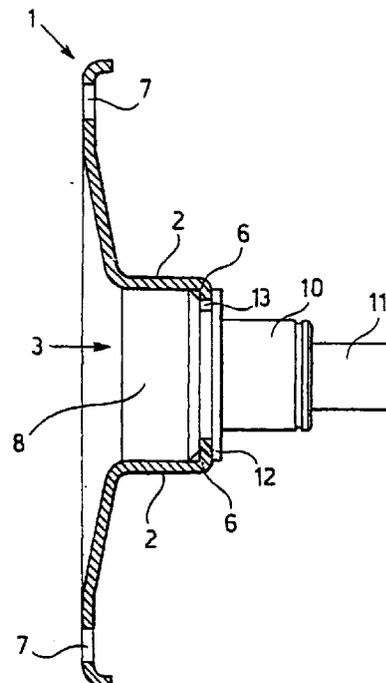


Fig. 5

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EUROPEAN SEARCH REPORT

Application Number
EP 97 20 2247

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.8)
X	US 4 416 564 A (BILLET RENE ET AL) 22 November 1983 * abstract; figures * * column 5, line 3 - line 23 * * column 5, line 56 - line 61 * ---	1,2,5	D06F37/00 B21K25/00
X	FR 2 704 164 A (SANKYO SEIKI SEISAKUSHO KK) 28 October 1994 * page 2, line 18 - line 36 * * page 5, line 14 - line 34 * * abstract; figures 1-3 * ---	1,2,5	
A	US 3 734 697 A (SIEGHARTNER L) 22 May 1973 * abstract; claims; figures * * column 2, line 9 - line 28 * ---	3,4,6	
A	FR 2 580 349 A (RENAULT) 17 October 1986 * abstract; figures 1,2 * * page 2, line 1 - line 9 * ---	3,4,6	
A	EP 0 214 039 A (ESSWEIN SA) 11 March 1987 * column 1, line 33 - line 45; figure 3 * ---	1,5	TECHNICAL FIELDS SEARCHED (Int.Cl.8)
A	FR 2 493 885 A (AMIENS CONST ELECT MEC) 14 May 1982 * page 1, line 11 - line 23; figure 2 * ---	1,5	D06F B21K B23P F16B
A	FR 2 140 037 A (ZANUSSI A SPA INDUSTRIE) 12 January 1973 * page 2, line 39 - page 3, line 4 * * claims 1,2; figure 2 * -----	1,5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 July 1998	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	

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