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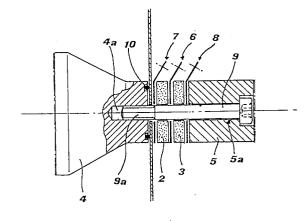
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Mounting arrangement of an ultrasound transducer onto a washing tank.

57 Mounting arrangement of an ultrasound transducer onto the wall plate of an ultrasound washing tank, wherein the transducer consists of a pair of piezoelectric ceramic disks (2,3), subjected to an electric field variable with an ultrasonic frequency, and of a pair of metallic resonance bodies (4,5) positioned to the sides of said piezoelectric disks (2;3). A first resonance body (5) and two piezoelectric disks (2,3) are mounted externally to the wall plate (1) of the washing tank, while a second resonance body (4) is mounted on the inner side of said wall plate (1), and a bolt (9) axially crosses said bodies (4,5) and disks (2,3) as well as a hole in said wall plate of the washing tank, so as to fix these elements together and onto the wall plate of the tank. A sealing and vibration damping ring gasket (10) is interposed between the inner surface of the wall plate (1) of the washing tank and the surface of the inner resonance body adhering thereto.

The size and shape of the resonance bodies are determined so that a central, nodal, vibration plane substantially coincides with the wall plate of the washing tank.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT						
Category		th indication, where appropriate, evant passages		elevant o claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)	
Х	EP-A-0 341 505 (M. WAL* column 3, line 32 - line 53	The state of the s	1-3	3	B 08 B 3/12 B 06 B 1/06	
Α	US-A-3 772 538 (M.C. SU * abstract; figure 1 * *	PITILOV)	1-3	3		
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Α	FR-A-1 447 064 (BLACKS	TONE CORP.)				
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Α	DE-A-2 809 820 (ASAI, KI	YOKAZU ET AL) 				
					TECHNICAL FIELDS	
					SEARCHED (Int. CI.5)	
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	The present search report has	been drawn up for all claims				
Place of search Date of completion of search			earch		Examiner	
The Hague 08 January 92				FRANKS N.M.		
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Р:	intermediate document theory or principle underlying the ir	nvention	document			