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(54) **Integrated washing machine pump**

(57) A drain pump (and/or recirculating pump) for a clothes washing machine which has no dynamic leak paths exterior to the washing machine outer bowl (1, 20). The pump (19) is contained within a housing (3/9, 25) which is either formed integrally with the outer bowl or connects directly within an aperture provided in the bottom of the bowl using a single static seal. The pump inlet is directly exposed to the interior of the outer bowl. The

pump motor (5, 64) has a rotor (4, 29) mounted within the pump housing with the interconnected pump impeller (8, 27) to obviate the need for a dynamic water seal for the rotor drive shaft (7,31). The rotor can run wet. The stator (6, 35) is mounted outside of the housing such that the housing wall (14, 28) lies in the motor air gap. The motor is preferably a brushless dc motor.

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		27 March 2008	Jezierski, Krzysztof
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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