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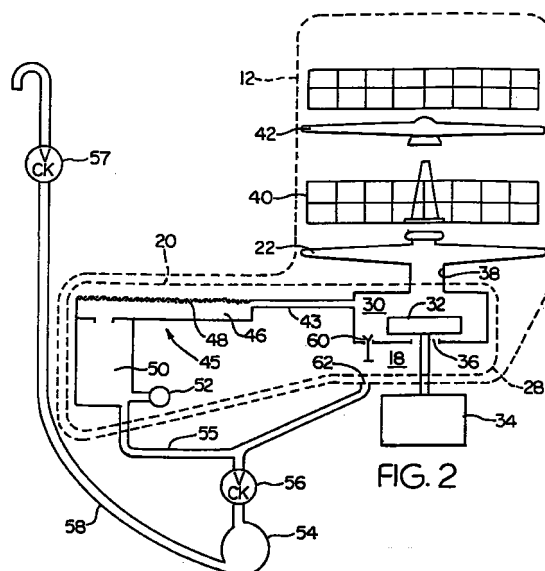
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(54) **Automatic purge filtration system for a dishwasher**

(57) A dishwasher pump (28) and automatic purge system which includes a wash impeller (32) supported for rotation within a pump chamber wherein the pump chamber (30) has a main outlet and a sample outlet port (38,43). Wash liquid pumped out through the main outlet is recirculated throughout the dishwasher interior wash chamber. A soil collector (45) receives wash liquid through the sample outlet port. The soil collector includes a filter screen (48) for returning filtered wash liquid back into the sump (18) such that soils are retained in the soil collector. Pressure within the soil collector is sensed by a pressure sensor (52). The soil collector is purged by a drain pump (54) when the pressure within the soil accumulator exceeds a predetermined limit level such that soils are cleared from the collector and the filter screen. When the pressure within the soil accumulator is reduced to below the predetermined limit level, the drain pump is deenergized. A control valve (56) is provided for preventing fluid flow from the dishwasher sump to the drain pump during the purge operation while the wash pump (28) is operating. The control valve (56) is operated in response to fluid pressure created by the wash impeller (32).



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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 30 9235

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			A47L
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>7 December 1998</b>	Examiner <b>Debard, M</b>
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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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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