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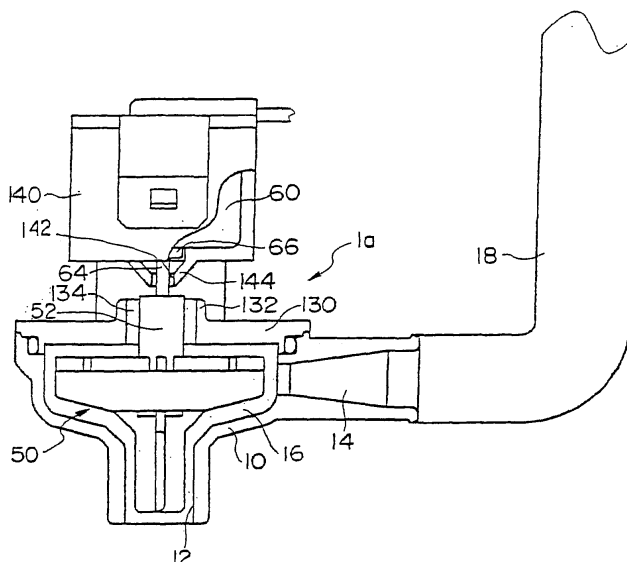
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(54) **Drain pump**

(57) The invention provides a drain pump of an air conditioner capable of preventing return water from splashing toward a motor when the motor stops. A drain pump 1a comprises a pump body 10 including a pump chamber 16, an inlet port 12 and an outlet port 14, and a lid member 130. A boss portion 132 of a lid member has an opening 134 through which a shaft 52 of a rotary vane 50 within the pump chamber 16 is projected. An

output shaft 64 of the motor 60 within the motor casing 140 is press-fit to the shaft portion 52. When the motor 60 is stopped, the water inside the exhaust hose 18 flows back into the pump chamber 16 and is spurted through the opening 134. An outer circumference wall 144 of an opening 142 of the output shaft 64 of the motor casing 140 is tapered so as to prevent the spurted water from entering the motor.

Fig. 1





European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 05 01 7835

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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		5 September 2007	Ingelbrecht, Peter
<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 &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 05 01 7835

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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