Abstract: Automatic draining apparatus for condensed water of an air conditioner is comprised of water collecting tank for accumulating condensed water, siphon for draining condensed water contained in the water collecting tank to outside, inlet of the siphon being provided in the water collecting tank and outlet of the siphon being provided at outside, and a level of the outlet being placed at a lower level of the inlet, water supplying pump being connected to the inlet and activated for a while according to a level of the condensed water and supplying the condensed water to the siphon, and water level sensor for operating the water supplying pump when the condensed water level is reached at a maximum level. Further, the water collecting tank is installed in or out of indoors unit of an air conditioner. It can be easily installed and most of the water can be exhausted by a siphon action with non-power, leading the significant reducing operation time of the water discharge pump.
A. CLASSIFICATION OF SUBJECT MATTER
IPC*: F24F 13/22; F25D 21/14
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC*: F24F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched F25D, 3L050

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EpoDoc; WPI; PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search 11 November 2004 (11.11.2004)
Date of mailing of the international search report 30 November 2004 (30.11.2004)

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