

SYSTEM AND METHOD FOR EXTRACTING ATMOSPHERIC WATER**Abstract**

The earth consists mainly of water and water exists on the earth's surface, in aquifers
5 in the soil as groundwater, and in the atmosphere as water vapour. However, of all
the water on earth, only less than 3 percent is fresh water. Due to factors such as
climate changes, environmental pollution, as well as population growth, the available
amount of fresh water sources is dwindling rapidly. In addition, there are many
problems associated with provision of potable water using existing techniques. One
10 way to overcome the aforementioned problems is to extract water from the
atmosphere. However, hardware costs of current commercial systems are relatively
high and they are not efficient in terms of performance. An embodiment of the
invention provides a system and a method for obtaining potable water by extracting
atmospheric water.

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Figure 1