

Title (en)  
FOG MACHINE WITH CONTINUOUS WATER SUPPLY

Title (de)  
NEBELMASCHINE MIT KONTINUIERLICHER WASSERVERSORGUNG

Title (fr)  
MACHINE À FUMÉE AYANT UNE ALIMENTATION CONTINUE EN EAU

Publication  
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Application  
**EP 19167866 A 20190408**

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Abstract (en)  
A fog machine with continuous water supply is disclosed, comprising: a main body provided with a fog outlet, a circuit board inside the main body, a water tank at a bottom of the main body, a fog generator in the water tank and electrically connected with the circuit board, a water reservoir above the water tank, a water filling port at a bottom of the water reservoir, and a water filling switch at the water filling port and controlled by a water level of the water tank, wherein the space above the water tank is in communication with the fog outlet. The water filling switch controls the water in the water reservoir flowing into the water tank, wherein the opening and closing of the switch depends on the water level of the water tank. If the level becomes high, the switch is automatically closed and water supply is stopped, and if the level becomes low, the switch is automatically opened and water supply is started. The water tank where fog is generated is separated from the water reservoir, such that the fog will not flow into the water reservoir and thus will not influence adding water into the water reservoir during the fog generating process. Therefore, adding water does not require stopping the machine and does not influence the fog generating process, and therefore the fog generating process can be conducted continuously.

IPC 8 full level  
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Citation (search report)  
• [XYI] EP 3181242 A1 20170621 - IDFC AG [LI]  
• [Y] CN 201621368 U 20101103 - XIAMEN CLEAVE IND CO LTD  
• [A] CN 107036218 A 20170811 - SONG ZHIHUI  
• [A] CN 106139618 A 20161123 - HEFEI CHAOYING IND DESIGN CO LTD  
• [A] US 6301433 B1 20011009 - MONTAGNINO JAMES G [US], et al

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