

Title (en)  
IMPROVEMENTS IN WATER GENERATING DEVICES

Title (de)  
VERBESSERUNGEN AN WASSERERZEUGUNGSVORRICHTUNGEN

Title (fr)  
AMELIORATIONS APORTEES AUX DISPOSITIFS PRODUCTEURS D'EAU

Publication  
**EP 1208064 A4 20071024 (EN)**

Application  
**EP 00975360 A 20001025**

Priority

- US 0029358 W 20001025
- US 16176199 P 19991027
- US 16176299 P 19991027
- US 16176399 P 19991027
- US 16176499 P 19991027
- US 16176599 P 19991027

Abstract (en)  
[origin: WO0130703A1] Improvements to potable water generating devices that use a condenser and blower to extract water from the air, and sterilize the water after extraction using an ultraviolet lamp (56). The improvements include sensing the ultraviolet (UV) lamp (56) output wavelength to ensure proper operation, bathing the inlet water and outlet water points in the UV light to maintain water sterility, sterilizing air entering the water handling portions of the system, running the condensed water (53) through Teflon <TM> tubing (51) to improve sterilization, and sensing the ambient temperature and humidity, and in response controlling operation of the system, for example the power to the condenser, or the blower speed or output volume, to suspend water generation or to maximize efficient water generation, and/or warn the user of a low water production rate.

IPC 1-7  
**C02F 1/32**

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)

- [X] US 5203989 A 19930420 - REIDY JAMES J [US]
- [A] US 5545335 A 19960813 - SWEEN ADRIAN P [US], et al
- [A] GB 2184232 A 19870617 - HANOVIA LTD
- [A] US 5965093 A 19991012 - ADAMS BILLY J [US]
- See references of WO 0130703A1

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