

Title (en)  
AUTOMATIC FAUCETS

Title (de)  
AUTOMATISCHE WASSERHÄHNE

Title (fr)  
ROBINETS AUTOMATIQUES

Publication  
**EP 2739794 A4 20160224 (EN)**

Application  
**EP 12820445 A 20120731**

Priority  
• US 201161574345 P 20110731  
• US 2012000150 W 20120315  
• US 2012000337 W 20120731

Abstract (en)  
[origin: WO2013019272A2] An automatic faucet includes a housing forming partially an internal barrel and a faucet head and being constructed to include at least one water inlet conduit extending into said barrel and a water outlet for delivering water from a spout. The automatic faucet also includes a faucet head having a removable faucet crown and the spout, wherein the faucet crown is removably mounted to the faucet head. The automatic faucet also includes a valve module, a sensor module, a battery module, a turbine module, and a control module. The valve module includes a valve controlled by an electromagnetic actuator for controlling the water flow from the spout. The sensor module is constructed to provide sensor data influenced by a user. The control module is constructed to control opening and closing of the valve by providing signals to the electromagnetic actuator. The control module is also constructed to receive sensor data from the sensor module and execute a sensing algorithm. The control module is also constructed to execute a power management algorithm for managing electrical power generated by the water turbine and provided to and from the battery.

IPC 8 full level  
**E03C 1/05** (2006.01)

CPC (source: EP)  
**E03C 1/04** (2013.01); **E03C 1/055** (2013.01)

Citation (search report)  
• [X] DE 10320636 B3 20050203 - HYDROTEK CORP NANTOU [TW]  
• [XI] JP 2008248474 A 20081016 - TOTO LTD  
• [E] US 2013167953 A1 20130704 - KUROIISHI MASAHIRO [JP], et al  
• [IP] DE 102010009215 A1 20110825 - GUZMAN CRISTOBAL [DE]  
• [E] DE 102011110092 A1 20120920 - AQUIS SANITAER AG [CH]  
• [A] US 2009188995 A1 20090730 - ONODERA NAOYUKI [JP], et al  
• See references of WO 2013019272A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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MX 354313 B 20180226

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