



Dirección Divisional de Promoción y Servicios de Información Tecnológica
Subdirección Divisional de Servicios de Información Tecnológica
Coordinación Departamental del Centro de Información Tecnológica

Informe de Resultados de Búsqueda – Folio DDPSIT2.2013.1065

Estados Unidos (USPTO)

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[7,943,050](#) **T** [Method for controlling microbial contamination in water](#)



(12) **United States Patent**
Rodriguez

(10) **Patent No.:** **US 7,943,050 B2**
 (45) **Date of Patent:** **May 17, 2011**

(54) **METHOD FOR CONTROLLING MICROBIAL CONTAMINATION IN WATER**

(75) Inventor: **Felix Rodriguez**, Webster, TX (US)

(73) Assignee: **Aquamaker LLC**, Houston, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/762,326**

(22) Filed: **Apr. 17, 2010**

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Related U.S. Application Data
 (60) Division of application No. 11/772,647, filed on Jul. 2, 2007, now Pat. No. 7,723,253, which is a continuation-in-part of application No. 10/684,185, filed on Oct. 12, 2003, now abandoned.

(51) **Int. Cl.**
C02F 1/50 (2006.01)

(52) **U.S. Cl.** **210/764; 422/28**

(58) **Field of Classification Search** 20/501, 20/502.1, 660, 670, 673, 687, 764; 422/28; 424/641; 423/712; 502/60, 85, 407, 414
 See application file for complete search history.

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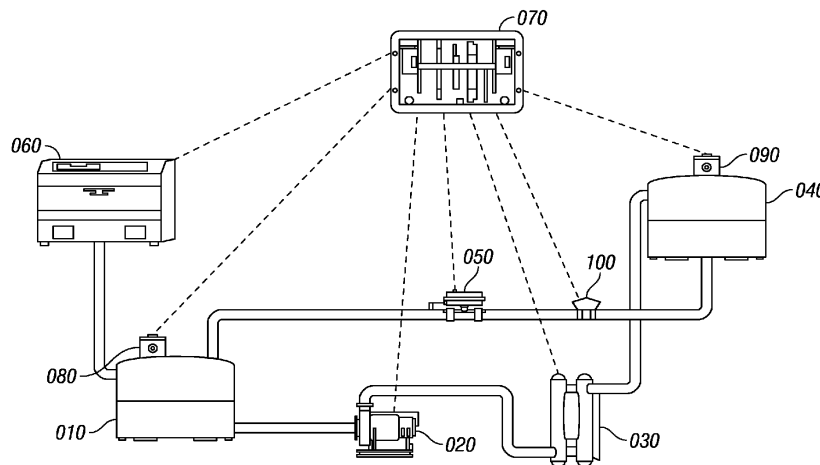
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(57) **ABSTRACT**

A method for controlling the microbial contamination of water. Impure water is passed through a container packed with a specially-treated antimicrobial zeolite material. Zinc ions incorporated into the framework of the zeolite provide the antimicrobial effect. The method is designed to control bacterial levels while preserving the taste and potability of the water.

10 Claims, 2 Drawing Sheets





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[7,723,253](#) [Method for preparing a composition for control of microbial contamination in drinking water](#)



(12) **United States Patent**
Rodriguez

(10) **Patent No.:** **US 7,723,253 B2**
 (45) **Date of Patent:** **May 25, 2010**

- (54) **METHOD FOR PREPARING A COMPOSITION FOR CONTROL OF MICROBIAL CONTAMINATION IN DRINKING WATER**
- (75) Inventor: **Felix Rodriguez**, Webster, TX (US)
- (73) Assignee: **Aquamaker LLC**, Houston, TX (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 261 days.
- (21) Appl. No.: **11/772,647**
- (22) Filed: **Jul. 2, 2007**
- (65) **Prior Publication Data**
 US 2008/0006582 A1 Jan. 10, 2008
- Related U.S. Application Data**
- (63) Continuation-in-part of application No. 10/684,185, filed on Oct. 12, 2003, now abandoned.
- (51) **Int. Cl.**
A61K 33/30 (2006.01)
- (52) **U.S. Cl.** **502/85**; 424/641; 210/501; 210/764
- (58) **Field of Classification Search** 424/641; 502/60, 85, 407, 414; 210/501, 502.1, 673, 210/660, 670, 764
 See application file for complete search history.
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Primary Examiner—Matthew O Savage
 (74) *Attorney, Agent, or Firm*—Locke Lord Bissell & Liddell
- (57) **ABSTRACT**
 Disclosed is a method and composition useful for controlling microbial contamination in drinking water produced from condensation. The composition comprises a zeolite which is modified to introduce zinc by ion exchange. The method comprises passing drinking water produced from condensation through a column packed with the modified zeolite.
- 8 Claims, 2 Drawing Sheets**

