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— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: POINT-OF-USE WATER TREATMENT SYSTEM

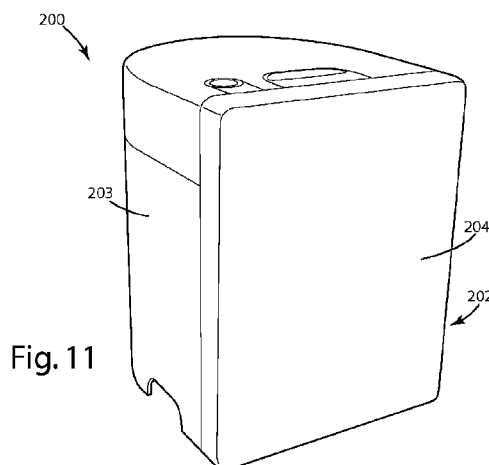


Fig. 11

(57) Abstract: A water treatment system is capable of meeting the particular needs of a variety of water treatment system applications. For instance, the water treatment system may include a customizable display, multiple interchangeable filters and disinfection systems. In one embodiment, a vessel containing the filters and disinfection assembly can be easily removed from a base that supplies water to the vessel. In another embodiment, the water treatment system includes a plate that includes at least one electrical connection. One or more electronics bricks with sensors, displays and the like can be removably attached to the plate such that each electronics brick is in electrical communication with said brick. In another embodiment, the water treatment system incorporates one or more stackable and interchangeable filter blocks that direct water flowing into the vessel through each filter media.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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20 January 2011

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C02F1/00 C02F1/32 C02F1/28
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C02F B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

26 November 2010

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

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International application No

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International application No

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 28
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-27, 29-48
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 28

The search fee for claim 28 (the IVth invention) not paid.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

A water treatment system comprising a base and a vessel with a treatment assembly inside.

2. claims: 15-27

A water treatment system comprising a vessel with a treatment assembly, a plate connected to the vessel and including at least one electrical connection and at least one electronic brick attached.

3. claim: 28

A water treatment system comprising a vessel having an upper edge defining an opening, a floor, a sidewall with two separate flow paths, the flow paths being formed integrally with the vessel.

4. claims: 29-40

A water treatment system comprising a vessel with a baffle positioned inside and one or plurality of filter blocks within the vessel.

5. claims: 41-48

A water treatment system comprising a first portion defining a first flow path and a second flow path, a second portion removably attached to the base and a treatment assembly within the vessel. Further, the system comprises two sensors positioned along flow paths.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2010/020623

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