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(54) Title: AN INTEGRATED WATER PURIFIER ASSEMBLY WITH BUILT-IN WATER CONDITION ASSESSING SENSOR

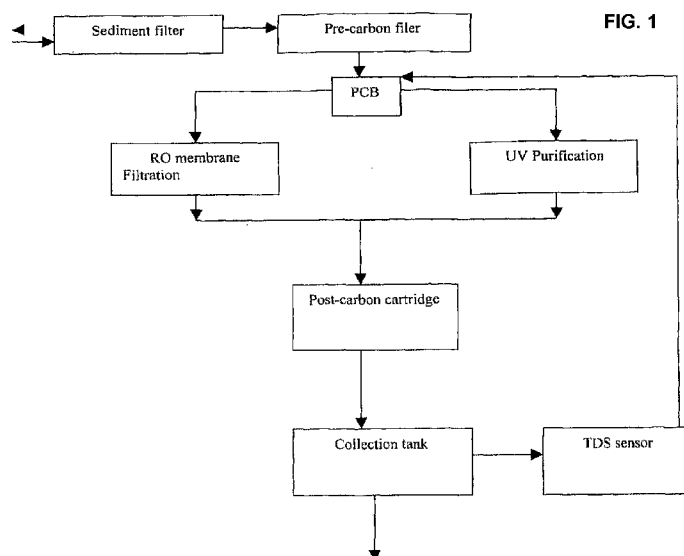


FIG. 1

(57) Abstract: This invention relates to an integrated water purifier assembly with built-in water condition assessing sensor, comprises a sedimentation filtration module sequentially connected to a pre carbon filtration module, reverse osmosis membrane filtration module through a first solenoid valve, and a UV filtration module through a second solenoid valve. Reverse osmosis and UV filtration modules being separately connected to a post carbon filtration module which is connected to an output water collection tank and a microprocessor programmed to operate said assembly. The collection tank is also provided with a TDS sensor means. The sensor means senses the TDS of purified water in the collection tank and signals the PCB to which it is connected. The PCB is capable of activating suitable module.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **C02F 9/08** (2006.01); **C02F 1/44** (2006.01); **C02F 1/32** (2006.01); **C02F 1/28** (2006.01)
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)
IPC⁸: C02F

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 practicable, search terms used)
EPOQUE: WPI, EPODOC, Fulltext databases

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US4528093 A (WINER) 09 July 1985 (09.07.1985) <i>Fig. 1, column 3 - column 6 line 18</i>	1,4-7,9
Y	--	3
X	JP2003225662 A (JUNG HYI DONG) 12 August 2003 (12.08.2003) (WPI and EPODOC abstracts) [online] [retrieved on 2/8/2010]. retrieved from: EPOQUE: WPI and EPODOC databases & JP2003225662 A (JUNG HYI DONG) 12/8/2003 (translated by Thomson Scientific) [online] [retrieved on 2/8/2010]. retrieved from EPOQUE: TXTJP <i>WPI abstract and translation</i>	2,4-9

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	AT402290 B (JOKLIK) 25 March 1997 (25.03.1997) page 3 line 6-14 -----	3

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report			Publication date	Patent family member(s)			Publication date
US	A	4528093		US	A	4528093	1985-07-09
JP	A	2003225662		JP	A	2003225662	2003-08-12
AT	A	402290				none	