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

Title (de)
INTEGRIERTE WASSERREINIGUNGSANORDNUNG MIT EINGEBAUTEN SENSOR ZUR BEURTEILUNG DER WASSERQUALITÄT

Title (fr)
ENSEMBLE PURIFICATEUR D'EAU INTÉGRÉ À CAPTEUR D'ÉVALUATION DE L'ÉTAT DE L'EAU INCORPORÉ

Publication
EP 2203392 A4 20120704 (EN)

Application
EP 08840516 A 20081015

Priority
• IN 2008000676 W 20081015
• IN 2337CH2007 A 20071015

Abstract (en)
[origin: WO2009050737A2] 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.

IPC 8 full level
C02F 9/12 (2006.01); **C02F 9/00** (2006.01)

CPC (source: EP)
C02F 9/20 (2023.01); C02F 1/283 (2013.01); C02F 1/32 (2013.01); C02F 1/441 (2013.01); C02F 2209/10 (2013.01); C02F 2301/043 (2013.01)

Citation (search report)
• [Y] WO 2007010549 A1 20070125 - GUPTA MAHESH [IN]
• [Y] US 2006283787 A1 20061221 - PEDEE VINCENT J C [US], et al
• [A] WO 03106003 A1 20031224 - WATER SYSTEM GROUP INC [US], et al
• [A] US 4160727 A 19790710 - HARRIS JR ROBERT M
• See references of WO 2009050737A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009050737 A2 20090423; **WO 2009050737 A3 20101028**; EP 2203392 A2 20100707; EP 2203392 A4 20120704

DOCDB simple family (application)
IN 2008000676 W 20081015; EP 08840516 A 20081015