

Title (en)
AN IMPROVED SELF-CLEANING WATER PROCESSING APPARATUS

Title (de)
VERBESSERTE SELBSTREINIGENDE WASSERVERARBEITUNGSVORRICHTUNG

Title (fr)
APPAREIL DE TRAITEMENT D'EAU AUTONETTOYANT AMELIORE

Publication
EP 1701774 A4 20070704 (EN)

Application
EP 04812500 A 20041201

Priority
• US 2004039993 W 20041201
• US 52658003 P 20031202

Abstract (en)
[origin: WO2005056153A1] An improved self-cleaning water purification system based on distillation. The unit comprises a boiler chamber (2), a degasser (4), and a cyclone demister (3). The improvements include high-volume fabrication and manufacturing, simple disassembly for inspection, repair and service, and rugged construction in order to withstand vibration and mechanical shock.

IPC 8 full level
B01D 1/30 (2006.01); **B01D 3/02** (2006.01); **B01D 19/00** (2006.01); **C02F 1/04** (2006.01); **C02F 1/20** (2006.01)

CPC (source: EP)
B01D 1/305 (2013.01); **B01D 19/0005** (2013.01); **B01D 19/0042** (2013.01); **C02F 1/04** (2013.01); **C02F 1/045** (2013.01); **C02F 1/20** (2013.01); **C02F 2303/02** (2013.01)

Citation (search report)
• [XA] JP H03182 A 19910107 - TAN SEIICHI
• [X] WO 9318834 A1 19930930 - FSR PATENTED TECH LTD [US]
• [X] EP 1258524 A1 20021120 - SMET EXTRACTION [BE]
• [DXA] US 2002074275 A1 20020620 - SEARS STEPHAN B [US]
• [A] GB 2022428 A 19791219 - NAZARETH HOSPITAL EMMS, et al
• See references of WO 2005056153A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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US 2004039993 W 20041201; CA 2553651 A 20041201; EP 04812500 A 20041201; JP 2006542669 A 20041201