

Title (en)
WATER PROCESSING UNIT

Title (de)
WASSERBEHANDLUNGSEINHEIT

Title (fr)
UNITE DE TRAITEMENT D'EAU

Publication
EP 1296895 A2 20030402 (EN)

Application
EP 01919621 A 20010404

Priority

- GB 0101465 W 20010404
- GB 0008083 A 20000404
- GB 0008577 A 20000408

Abstract (en)
[origin: WO0174717A2] The invention provides a water processing unit (1) comprising a housing (2) enclosing a primary filter (3), a pair of secondary filters (4a, b) and a disinfection unit (5). Reclaimed water, such as rainwater or stream water, is fed into the unit (1) and into the primary filter (3). The primary filter (3) comprises a zero gravity filter having a series of coils (7) through which the input water flows. The water passes from the primary filter (3) to the secondary filters (4a, b). A non-drinking water outlet (10) is provided from the primary filter (3). The secondary filters (4a, b) contain granulated carbon (12) and are arranged in parallel. The water flows out of the secondary filters (4a, b) and into the disinfection unit (5). The disinfection unit (5) comprises an ionisation purifier having a source of silver and copper ions (16). The purified and disinfected water is then extracted from the system via an outlet (18) to a tap (37).

IPC 1-7
C02F 1/28; **B01D 29/48**

IPC 8 full level
B01D 36/02 (2006.01); **C02F 1/00** (2006.01); **C02F 9/00** (2006.01); **C02F 9/06** (2006.01); **C02F 1/28** (2006.01); **C02F 1/46** (2006.01); **C02F 1/50** (2006.01)

CPC (source: EP)
B01D 36/02 (2013.01); **C02F 9/20** (2023.01); **E03B 1/042** (2013.01); **C02F 1/283** (2013.01); **C02F 1/4606** (2013.01); **C02F 1/505** (2013.01); **C02F 2103/002** (2013.01); **E03B 2001/047** (2013.01); **Y02A 20/108** (2017.12); **Y02A 20/152** (2017.12)

Citation (search report)
See references of WO 0174717A2

Cited by
US10351807B2; US11292993B2; US10640403B2; US11618696B2; US10760207B2; US11053637B2; US9689106B2; US10000881B2; US10087568B2; US10774460B2

Designated contracting state (EPC)
AT BE CH CY DE ES FR GB IT LI

DOCDB simple family (publication)
WO 0174717 A2 20011011; **WO 0174717 A3 20020321**; AU 4668201 A 20011015; EP 1296895 A2 20030402

DOCDB simple family (application)
GB 0101465 W 20010404; AU 4668201 A 20010404; EP 01919621 A 20010404