

Title (en)
WATER TREATMENT APPARATUS

Title (de)
VORRICHTUNG ZUR BEHANDLUNG VON WASSER

Title (fr)
APPAREIL DE TRAITEMENT DES EAUX

Publication
EP 1086046 A1 20010328 (EN)

Application
EP 00922496 A 20000306

Priority
• EP 00922496 A 20000306
• EP 0001904 W 20000306
• EP 99200925 A 19990325

Abstract (en)
[origin: WO0058223A1] A water treatment apparatus which comprises an inlet for unpurified water, a boiler (4) for purifying water by heating, a heating means (5) for heating the water in the boiler (4), and an outlet for purified water. The transport of water through the apparatus takes place by means of, respectively, an overpressure and an underpressure, which originate in the boiler (4) during, respectively, a first and a second phase of a heat-exchanging process. The first phase of the heat-exchanging process comprises heating of the water in the boiler (4) until a predetermined temperature is reached, and maintaining this temperature during a predetermined period of time. The second phase of the heat-exchanging process comprises condensation through cooling of vapor, until a predetermined temperature is reached, said vapor being generated by heating the water during the first phase. By virtue of the above-mentioned way of transporting water through the apparatus, the water treatment apparatus does not need a pump or a continuous connection to the water main for transporting water.

IPC 1-7
C02F 1/02; A47J 31/54

IPC 8 full level
A23L 2/46 (2006.01); **A47J 31/54** (2006.01); **A61L 2/04** (2006.01); **B01D 19/00** (2006.01); **C02F 1/02** (2006.01); **C02F 1/04** (2006.01); **C02F 1/20** (2006.01); **C02F 9/00** (2006.01)

CPC (source: EP)
A23L 2/46 (2013.01); **A61L 2/04** (2013.01); **C02F 1/02** (2013.01); **C02F 9/20** (2023.01)

Citation (search report)
See references of WO 0058223A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0058223 A1 20001005; CN 1304383 A 20010718; EP 1086046 A1 20010328; JP 2002539944 A 20021126

DOCDB simple family (application)
EP 0001904 W 20000306; CN 00800873 A 20000306; EP 00922496 A 20000306; JP 2000607932 A 20000306