

Title (en)

Process and apparatus for concentrating waste water by accelerated evaporation

Title (de)

Verfahren und Vorrichtung zur Konzentrierung von Abwasser durch beschleunigte Verdampfung

Title (fr)

Procédé et dispositif pour la concentration par évaporation accélérée de rejets aqueux

Publication

EP 1052004 A8 20030625 (FR)

Application

EP 00400944 A 20000406

Priority

FR 9906145 A 19990512

Abstract (en)

[origin: EP1052004A1] Waste waters are sprayed (4) over perforated panels (3). Warm air at 25 to 45 degrees C (5 and 5') is drawn through the perforations, and facilitates evaporation. The warm air is produced by combustion of biogas produced during waste degradation. Effluent is recycled (9) until it reaches the desired concentration. An independent claim is included for equipment to carry out the process.

IPC 1-7

B01D 3/34; **B01D 1/14**

IPC 8 full level

B01D 1/14 (2006.01); **B01D 3/34** (2006.01)

CPC (source: EP)

B01D 1/14 (2013.01); **B01D 3/346** (2013.01)

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)

EP 1052004 A1 20001115; **EP 1052004 A8 20030625**; **EP 1052004 B1 20060614**; AT E329671 T1 20060715; DE 60028653 D1 20060727; ES 2265888 T3 20070301; FR 2793423 A1 20001117; FR 2793423 B1 20020322; PT 1052004 E 20061031; ZA 200002235 B 20011108

DOCDB simple family (application)

EP 00400944 A 20000406; AT 00400944 T 20000406; DE 60028653 T 20000406; ES 00400944 T 20000406; FR 9906145 A 19990512; PT 00400944 T 20000406; ZA 200002235 A 20000508