

Title (en)
EFFLUENT PURIFYING DEVICE

Title (de)
ABWASSERREINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE PURIFICATION D'EFFLUENT

Publication
EP 1292542 A1 20030319 (FR)

Application
EP 01945403 A 20010612

Priority
• FR 0101817 W 20010612
• FR 0007642 A 20000615

Abstract (en)
[origin: FR2810310A1] An effluent purification apparatus comprises: (1) a clarifying tank (I); (2) a pump delivering effluent (II) intermittently to a container (III) on top of (I); (3) metering pump(s) supplying coagulating or flocculating agents (IV) to (III); and (4) a conduit taking (II) and (IV) from (III) to a flocculation vat in (I). A sludge bed forms in the vat. (II) flows downwards and is clarified by contacting the bed.

IPC 1-7
C02F 1/52; B01D 21/08; B01D 21/24

IPC 8 full level
C02F 3/08 (2006.01); **B01D 21/00** (2006.01); **B01D 21/01** (2006.01); **B01D 21/08** (2006.01); **B01D 24/00** (2006.01); **C02F 1/52** (2006.01); **C02F 1/56** (2006.01); **C02F 1/00** (2006.01); **C02F 1/68** (2006.01)

CPC (source: EP KR US)
B01D 21/0012 (2013.01 - EP US); **C02F 1/52** (2013.01 - EP KR US); **C02F 1/001** (2013.01 - EP US); **C02F 1/686** (2013.01 - EP US)

Citation (search report)
See references of WO 0196246A1

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

DOCDB simple family (publication)
FR 2810310 A1 20011221; **FR 2810310 B1 20020726**; AP 2002002686 A0 20021231; AU 6763201 A 20011224; BR 0111568 A 20040706; CA 2412487 A1 20011220; CN 1443139 A 20030917; EA 004018 B1 20031225; EA 200300022 A1 20030424; EP 1292542 A1 20030319; JP 2004503368 A 20040205; KR 20030009539 A 20030129; MA 26049 A1 20040401; US 2004025961 A1 20040212; WO 0196246 A1 20011220; ZA 200210208 B 20031130

DOCDB simple family (application)
FR 0007642 A 20000615; AP 2002002686 A 20010612; AU 6763201 A 20010612; BR 0111568 A 20010612; CA 2412487 A 20010612; CN 01812942 A 20010612; EA 200300022 A 20010612; EP 01945403 A 20010612; FR 0101817 W 20010612; JP 2002510393 A 20010612; KR 20027017191 A 20021216; MA 26956 A 20021216; US 31157203 A 20030724; ZA 200210208 A 20021217