

Title (en)
METHOD FOR PURIFYING WASTE WATER

Title (de)
VERFAHREN ZUM REINIGEN VON ABWASSER

Title (fr)
PROCEDE D'EPURATION D'EAUX USEES

Publication
EP 1560796 A1 20050810 (DE)

Application
EP 03778255 A 20031111

Priority

- DE 0303731 W 20031111
- DE 10252634 A 20021111
- DE 10253334 A 20021114

Abstract (en)
[origin: WO2004043868A1] The invention relates to a method for purifying waste waters or other fluids or substances that contain organic pollutants, during which photosensitizers are introduced into the cells of the pollutants and are irradiated with light in the preferred absorbed wavelength range. The photosensitizers are activated by the light whereby resulting in the release of reactive substances such as singlet oxygen. These reactive substances decompose the cells of the organic pollutants by means of oxidation processes and reaction processes. The purifying agent or clarifying agent used contains a microbiotic mixed culture, whereby a portion of the microorganisms releases photosensitizers.

IPC 1-7
C02F 3/34; **C02F 1/72**; **C12N 1/00**

IPC 8 full level
C02F 1/72 (2006.01); **C02F 3/34** (2006.01)

CPC (source: EP)
C02F 1/72 (2013.01); **C02F 3/341** (2013.01)

Citation (search report)
See references of WO 2004043868A1

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

DOCDB simple family (publication)
WO 2004043868 A1 20040527; AU 2003285273 A1 20040603; EP 1560796 A1 20050810

DOCDB simple family (application)
DE 0303731 W 20031111; AU 2003285273 A 20031111; EP 03778255 A 20031111