

Title (en)

METHOD FOR MONITORING BIOLOGICAL ACTIVITY IN FLUIDS

Title (de)

METHODE ZUR UBERWACHUNG VON BIOLOGISCHER AKTIVITAT IN FLUSSIGKEITEN

Title (fr)

PROCEDE DE SURVEILLANCE DE L'ACTIVITE BIOLOGIQUE DANS DES FLUIDES

Publication

EP 0877922 A4 20050406 (EN)

Application

EP 97903878 A 19970122

Priority

- US 9700931 W 19970122
- US 58934696 A 19960122
- US 74621796 A 19961107

Abstract (en)

[origin: WO9726525A1] A method of monitoring a microbiological process in a fluid supply involving isolation of a fluid sample from a fluid supply, measuring the pH of the fluid sample at selected time intervals, then analyzing changes in pH, if any, to determine a pH variation rate for the sample. The dissolved oxygen in the sample is also measured at selected time intervals substantially synchronously with the pH measurements, and changes in dissolved oxygen, if any, are analyzed to determine a biological oxygen consumption rate for the sample.

IPC 1-7

G01N 7/00; **G01N 33/497**; **C12Q 1/04**; **C12Q 1/02**; **C02F 3/02**

IPC 8 full level

C12Q 3/00 (2006.01); **C02F 3/30** (2006.01); **C12Q 1/02** (2006.01); **G01N 33/18** (2006.01); **G05D 27/00** (2006.01)

CPC (source: EP KR)

C02F 3/02 (2013.01 - KR); **C12Q 1/02** (2013.01 - KR); **C12Q 1/04** (2013.01 - KR); **G01N 33/1866** (2013.01 - EP); **G01N 33/48** (2013.01 - KR); **G01N 33/497** (2013.01 - KR)

Citation (search report)

- [Y] WO 9503254 A1 19950202 - BIOCHEM TECHNOLOGY INC [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10 30 November 1995 (1995-11-30)
- [A] KRISTENSEN G HOLM ET AL: "Characterization of functional microorganism groups and substrate in activated sludge and wastewater by AUR, NUR and OUR", WATER SCI TECHNOL; WATER SCIENCE AND TECHNOLOGY; INTERACTIONS OF WASTEWATER, BIOMASS AND REACTOR CONFIGURATIONS IN BIOLOGICAL TREATMENT PLANTS 1992, vol. 25, no. 6, 21 August 1991 (1991-08-21), pages 43 - 57, XP008042697
- [A] TYAGI R D ET AL: "Kinetics of heavy metal bioleaching from sewage sludge - II. Mathematical model", WATER RES; WATER RESEARCH NOV 1993, vol. 27, no. 11, November 1993 (1993-11-01), pages 1653 - 1661, XP008042759
- See references of WO 9726525A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9726525 A1 19970724; AR 005521 A1 19990623; AU 1833697 A 19970811; AU 710378 B2 19990916; BR 9707013 A 19990720; CA 2243190 A1 19970724; CA 2243190 C 20090630; CN 1138855 C 20040218; CN 1212053 A 19990324; EP 0877922 A1 19981118; EP 0877922 A4 20050406; JP 2000504215 A 20000411; KR 100499830 B1 20050930; KR 19990081969 A 19991115; MY 129784 A 20070430; NO 983360 D0 19980721; NO 983360 L 19980915; NZ 331036 A 19990429; RU 2192474 C2 20021110

DOCDB simple family (application)

US 9700931 W 19970122; AR P970100261 A 19970122; AU 1833697 A 19970122; BR 9707013 A 19970122; CA 2243190 A 19970122; CN 97192545 A 19970122; EP 97903878 A 19970122; JP 52627697 A 19970122; KR 19980705687 A 19980722; MY PI9700217 A 19970121; NO 983360 A 19980721; NZ 33103697 A 19970122; RU 98115841 A 19970122