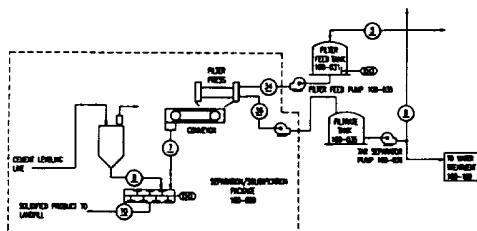
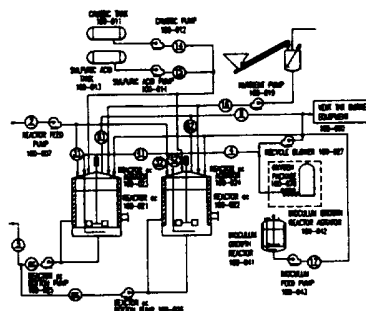
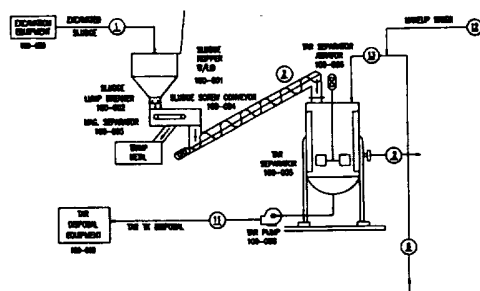




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 1/20, B09C 1/10, A62D 3/00 // (C12N 1/20, C12R 1:38, 1:15, 1:01) (B09C 1/10, C12S 13:00)	A3	(11) International Publication Number: WO 96/18724 (43) International Publication Date: 20 June 1996 (20.06.96)
(21) International Application Number: PCT/US95/16364 (22) International Filing Date: 15 December 1995 (15.12.95) (30) Priority Data: 357,686 16 December 1994 (16.12.94) US 357,700 16 December 1994 (16.12.94) US 357,821 16 December 1994 (16.12.94) US 357,822 16 December 1994 (16.12.94) US (71) Applicant: CYTEC TECHNOLOGY CORP. [US/US]; 1105 N. Market Street, Wilmington, DE 19801 (US). (72) Inventors: PIERCE, George, E.; 253 Cokesbury Road, Lebanon, NJ 08833 (US). SMITH, Christopher, V.; 319 Ryan Drive, Rising Sun, MD 21911 (US). ENGLISH, Carolyn, W.; P.O. Box 272, Liberty Corner, NJ 07938 (US). (74) Agents: BALDWIN, Geraldine, F. et al.; Pennie & Edmonds, 1155 Avenue of the Americas, New York, NY 10036 (US).		(81) Designated States: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 22 August 1996 (22.08.96)

(54) Title: SYSTEMS AND METHODS FOR BIODEGRADATION



(57) Abstract

The present invention relates to the aerobic reaction of compounds such as aromatic, nitro-aromatic, halo-aromatic, halo-nitro-aromatic, aliphatic and halo-aliphatic compounds with a microorganism, said microorganism being a member of the group consisting of microorganisms having ATCC Accession No. 55644, 55648, 55645, 55641, 55647, 55642, 55643, 55646, 55649, 55722, 55723, 55726, 55727, 55724, and 55725. More particularly, the present invention relates to the aerobic degradation of organic compounds in fluid or solid phase such that the compounds are bioremediated to products comprising CO₂ and H₂O.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 95/16364

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 C12N1/20 B09C1/10 A62D3/00 //(C12N1/20,C12R1:38,
 C12R1:15,C12R1:01),(B09C1/10,C12S13:00)

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12P C12R B09C A62D C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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