

9904821-9

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: E03D 5/00, E03F 1/00, B64D 11/02	A1	(11) International Publication Number: WO 97/17502 (43) International Publication Date: 15 May 1997 (15.05.97)
(21) International Application Number: PCT/US96/18129 (22) International Filing Date: 6 November 1996 (06.11.96) (30) Priority Data: 08/550,550 7 November 1995 (07.11.95) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: ASHTON, Larry, Jed; 680 E. 1600 South, Mapleton, UT 84664 (US). SOLLINGER, John, Franklin; 806 N. Country Club Drive, Newark, DE 19711-2751 (US). (74) Agent: TULLOCH, Rebecca, W.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AU, CA, JP, KR, RU, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: WASTE TANK FOR VACUUM SEWAGE SYSTEM**(57) Abstract**

A vacuum waste containment system to operate in situations where limited water is available and discharge of liquid and waste is undesirable. The system is powered by an external vacuum source. The vacuum draws the waste into a holding tank through an air water separator. The majority of the liquid and waste is deposited into the tank while the residual water is separated and drained back into the tank before reaching the vacuum source. The system has been designed for low weight to be reliable and require minimum maintenance.

