

(51) International Patent Classification ⁶ : A62D		A2	(11) International Publication Number: WO 99/58201
			(43) International Publication Date: 18 November 1999 (18.11.99)
(21) International Application Number: PCT/US99/09065		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 27 April 1999 (27.04.99)			
(30) Priority Data: 09/066,689 27 April 1998 (27.04.98) US			
(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/066,689 (CON) Filed on 27 April 1998 (27.04.98)			
(71) Applicant (for all designated States except US): TELEDYNE COMMODORE, L.L.C. [US/US]; 300 Sparkman Drive, Mail Stop 68, Huntsville, AL 35805 (US).		Published Without international search report and to be republished upon receipt of that report.	
(72) Inventor; and (75) Inventor/Applicant (for US only): MILLER, Paul, L. [US/US]; 113 Wandering Lane, Harvest, AL 35749 (US).			
(74) Agent: EVANS, Thomas, L.; Smith, Gambrell, & Russell, LLP, Suite 800, 1850 M Street, N.W., Washington, DC 20036 (US).			

The diagram shows a cross-sectional view of a mechanical assembly housed within a rectangular enclosure (10). A vertical shaft (12) enters from the top and is connected to a curved, piston-like component (18). This component is positioned against a circular rotating element (14). The rotating element has a wavy, gear-like inner surface (16) and a textured outer surface (22). Arrows (24) indicate the direction of rotation. A horizontal arrow (20) points out from the right side of the housing, representing an outlet or flow direction. The entire assembly is mounted on a hatched base.

slurries comprising the removed hazardous substances with solvated electrons to chemically reduce and destroy virtually any hazardous or toxic substance, and particularly chemical warfare agents and energetic materials.