

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B01D 53/32, 53/48	A1	(11) International Publication Number: WO 97/20617 (43) International Publication Date: 12 June 1997 (12.06.97)
(21) International Application Number: PCT/US96/19369 (22) International Filing Date: 6 December 1996 (06.12.96) (30) Priority Data: 60/008,272 6 December 1995 (06.12.95) US 08/761,734 5 December 1996 (05.12.96) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: CAMPOS, Daniel; 5771 Pyles Ford Road, Wilmington, DE 19807-1639 (US). LYKE, Stephen, Erwin; 3516 Hopkins Drive, Wilmington, DE 19808-2913 (US). (74) Agent: SULLIVAN, Daniel, 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, 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.</i>
(54) Title: PLASMA OXIDATION OF AN EXHAUST GAS STREAM FROM CHLORINATING TITANIUM-CONTAINING MATERIAL (57) Abstract A process is disclosed for treating an exhaust gas stream containing COS and CO arising from chlorinating titanium-containing material with a cold plasma wherein oxygen is present and selectively oxidizing COS.		