

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01J 37/32	A2	(11) International Publication Number: WO 96/26531
		(43) International Publication Date: 29 August 1996 (29.08.96)
(21) International Application Number: PCT/GB96/00389 (22) International Filing Date: 20 February 1996 (20.02.96) (30) Priority Data: 9503305.6 20 February 1995 (20.02.95) GB (71) Applicant (for all designated States except US): AVIMO GROUP LIMITED [SG/SG]; 14 fifth Lok Yang Road, Jurong Town, Singapore 2262 (SG). (72) Inventors; and (75) Inventors/Applicants (for US only): SHI, Xu [SG/SG]; BLK 356, 5 Woodland Avenue #02-402, Singapore 730356 (SG). FLYNN, David, Ian [GB/SG]; BLK 726, Gek Poh Ville #08-244, Singapore 640726 (SG). TAY, Beng, Kang [SG/SG]; 18 Sin Ming Walk #06-01, Singapore 575569 (SG). TAN, Hong, Siang [SG/MY]; 24 Jalan 17/1, 46400 Petaling Jaya, Selangor (MY). (74) Agent: SCHLICH, George, William; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).		(81) Designated States: AU, CA, SG, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published Without international search report and to be republished upon receipt of that report.

(54) Title: FILTERED CATHODIC ARC SOURCE

(57) Abstract

The plasma beam from a cathodic arc is filtered by baffles, a double bend toroidal plasma duct and a biased, corrugated liner within the duct, giving coatings virtually free of contaminating macroparticles. Reactive gas is ionised in the plasma ball and automatic arc ignition is provided.

