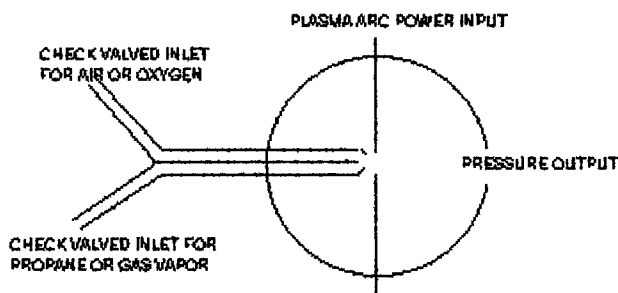
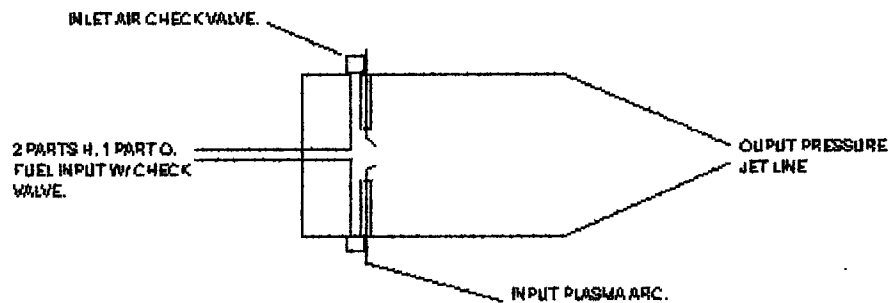


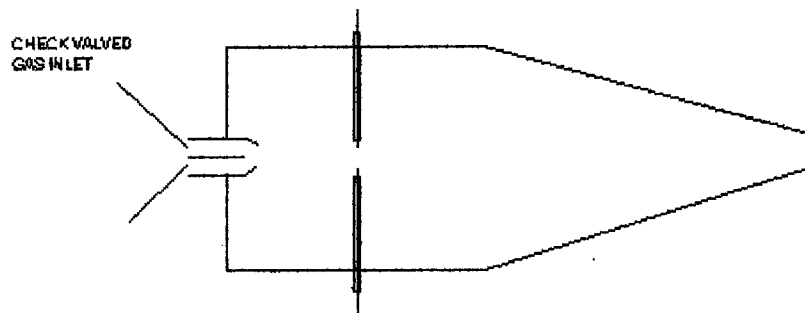
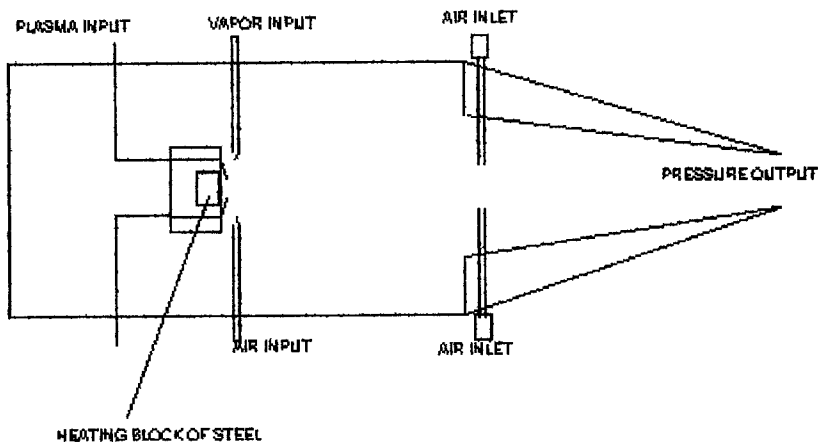
ARC JET ENGINE DESIGNS

UUE RESEARCH EXCLUSIVE DATA

UUE HAS BEEN DOING ARC JET RESEARCH FOR MANY YEARS, WE HAVE COME ACROSS MANY GOOD DESIGNS OUT THERE AND HAVE INCORPORATED MANY OF THE IDEAS WE HAVE FOUND IN THEM TO MAKE OUR OWN EXCELLENT DESIGNS. ARC JETS OPERATE ON A SIMPLE CONCEPT, HIGH PRESSURE GAS GENERATION FROM A CONTINUOUS PLASMA ARC WHICH GENERATES HIGH AMOUNTS OF HEAT AND DISPLACEMENT OF SPACE. WITH THESE COMBINATIONS IN MIND, IT IS POSSIBLE TO ACCELERATE VERY QUICKLY WITH LITTLE TO NO PAYLOAD FROM FUEL. FUEL CAN RANGE FROM PROPANE TO GASOLINE, IT ALL DEPENDS OF THE HEAT OF YOUR ARC.

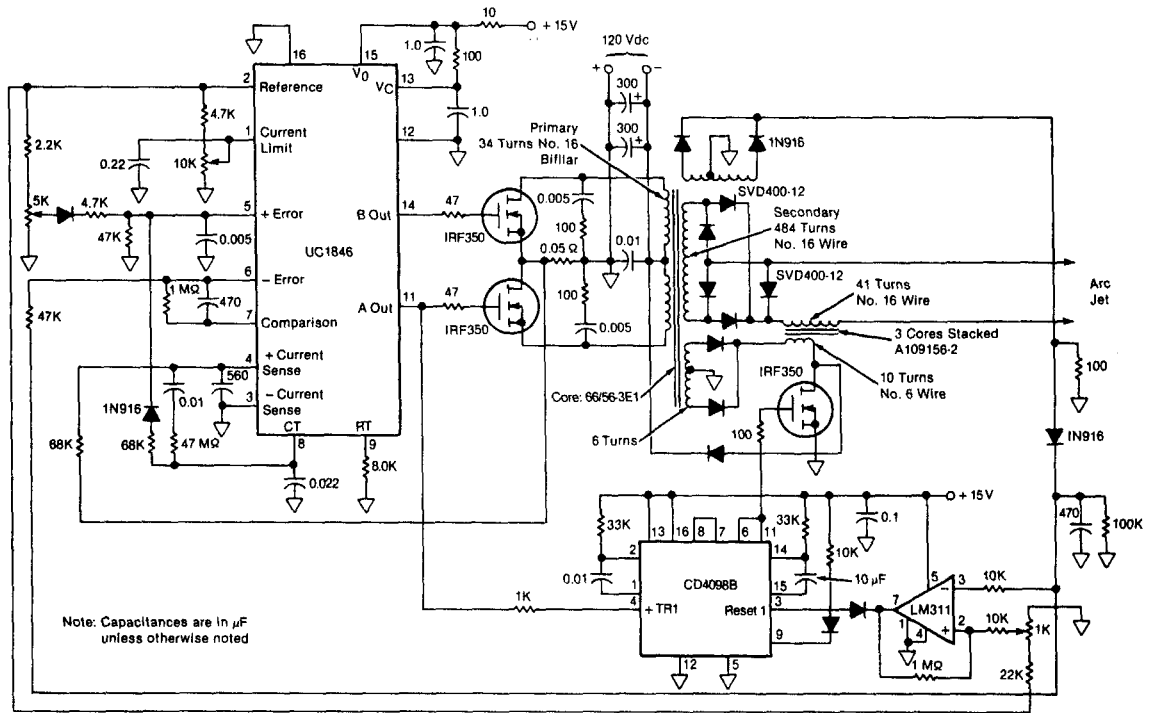
HERE ARE SOME OF OUR DESIGNS IN DIAGRAM FORM ONLY TO AVIOD LEGALITIES IN CONSTRUCTION:





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ARC-JET POWER SUPPLY AND STARTING CIRCUIT



This circuit for starting arc jets and controlling them in steady operation is capable of high power efficiency and can be constructed in a lightweight form. The design comprises a pulse-width-modulated power converter, which is configured in a closed control loop for fast current control. The series averaging inductor maintains nearly constant current during rapid voltage changes, and thereby allows time for the fast-response regulator to adjust its pulse width to accommodate load-voltage changes. The output averaging inductor doubles as the high-voltage pulse transformer for ignition. The starting circuit operates according to the same principle as that of an automobile ignition coil. When the current is interrupted by a transistor switch, the inductor magnetic field collapses, and a high-voltage pulse is produced. The pulse is initiated every 0.25 second until arc current is detected, then the pulser is automatically turned off.