

Contribution to Development of Technology for Arc Welding Based on Power Transistors

Registration No.	Number 00240		
Registration Date	September 12, 2017	Registration Category	Category 1

Name (Model, etc.)	Transistor controlled DC welding power source TR-800
Location	Kobe, Hyogo
	DAIHEN Corporation
Owner (Custodian)	DAIHEN Corporation
Manufacturer (Company)	Osaka Transformer Co., Ltd. (now DAIHEN Corporation)
Year Manufactured	1980
Year first appeared	1976
Reason For Selection	Electric welding using arc discharge techniques plays a major role in practically every field of industry. This is a groundbreaking arc welding machine that featured high-speed control of current waveform used for welding by means of an electronic regulator equipped with power transistors. This welding machine contributed greatly to the development of arc welding process technologies in that it significantly promoted basic research and development through its use mainly in the realm of research involving analysis of arc-related phenomena. It is historically significant as a welding machine that led to the development of welding technologies of Japan which subsequently became the world leader in that regard.
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)

Open/Closed to Public	Closed to Public
Photo	
Other useful information	