

ABSTRACT

The object of the present invention is to provide a welding apparatus and a plasma welding method capable of obtaining deep penetration while suppressing initial investment in a welding apparatus. The welding apparatus of the present invention

5 includes a torch for plasma welding (12) and a power supply device (13), wherein the power supply device (13) is composed of a first welding power supply (14) used for a TIG welding apparatus, in which a positive terminal (14A) is electrically connected with the insert chip (22) and a negative terminal (14B) is electrically connected with the electrode (21), and a second welding power supply (15) used for a TIG welding

10 apparatus, in which a positive terminal (15A) is electrically connected with a material to be welded (11) and a negative terminal (15B) is electrically connected with the electrode (21).