

COLD METAL TRANSFER GAS METAL ARC WELDING APPARATUS AND METHOD OF OPERATION

ABSTRACT

A cold metal transfer (CMT) contact tip has a substantially copper-free contact surface defining a wire passage. The CMT contact tip is used with a CMT welding apparatus having a weld wire and a wire feeder for feeding and oscillating the weld wire forward and backward through the wire passage where the weld wire shares a concentric axis with the wire passage.

Fig. 1