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(54) Title: AN ARC WELDING HEAD AND A WELDING ARRANGEMENT

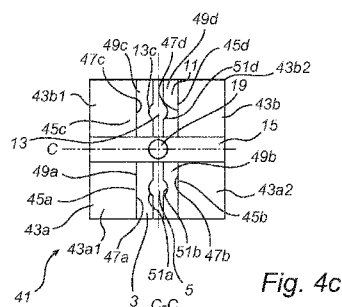


Fig. 4c

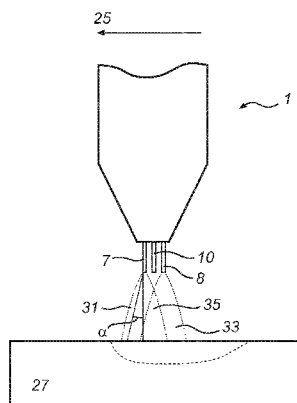


Fig. 7

(57) Abstract: An arc electric welding head (1) comprising a first contact device (3) housing a first duct (5) for feeding a first electrode (7) and providing electrical contact between a first power source (204) and said first electrode (7), a second contact device (11) housing a second duct (13) for feeding a second electrode (8) and providing electrical contact between a second power source (206) and said second electrode (8), said first and second contact devices being electrically insulated from each other, said first and second ducts being parallel. Said first and second ducts (5, 13) being arranged at a distance which allows for arcs (31, 33), between said first and second electrodes (7, 8) and a work piece (27) to be welded, to have an overlapping region (35), and in that said arc electric welding head (1) further comprises a third insulated duct (19) for feeding a cold wire (10) into said overlapping region (35).



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