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(54) Title: DEVICE AND METHOD FOR WELDING AT LEAST ONE WORK PIECE

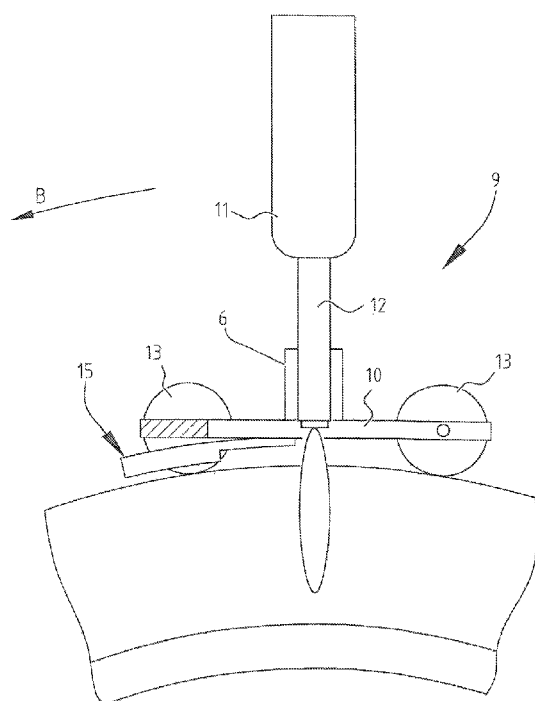


FIG. 5

(57) Abstract: The present invention relates to a method of welding at least one work piece in at least one location, using at least one arc generating element (12), such as a cathode, the method comprising: • - welding the work piece at the location of the arc generating element (12); • - moving the arc generating element (12) along a path of welding and therewith the location of welding; and • - during welding, decreasing magnetic fields in the work piece or between work pieces, by locally suppressing magnetic fields at least partially at or near the location of the arc generating element. The present invention further also relates to a corresponding welding device. The welding device (9) comprises a carriage (10) adapted to move along a path of welding relative to the work piece and therewith a location of welding, and having a holder (11) accommodating at least in use an arc generating element (12); and a device (6) on the carriage, which device is adapted to locally decrease magnetic fields in the work piece or between work pieces, by locally suppressing magnetic fields at least partially at the location of the arc generating element.



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