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| (51) International classification                | :B23K0009280000,<br>B65G0017200000,<br>B21D0019000000,<br>H01R0004660000,<br>H01R0013648000 | (71)Name of Applicant :<br><b>1)CGC Technical Campus Jhanjeri</b><br>Address of Applicant :State Highway 12A Jhanjeri, Sahibzada<br>Ajit Singh Nagar, Punjab 140307, India. Punjab India |
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(57) Abstract :

The present invention relates to an arc welding apparatus, comprising a tubular body 1 designed in a manner to get positioned over a work piece, a circular magnetic member 2 arranged at a base portion of the tubular body 1, wherein the member 2 attaches with surface of the work piece to carry out process of arc welding, a metal rod 3 equipped with a plate 4 positioned centrally inside the body 1, wherein the plate 4 is gripped by a work piece/ground cable to provide grounding condition for assisting the welding process and a ball bearing 5 arranged at an upper portion of the body 1 and attached to the rod 3, wherein the bearing 5 provides frictionless motion to the rod 3 for moving the cable in a user desired direction by avoiding twisting of the cable.

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