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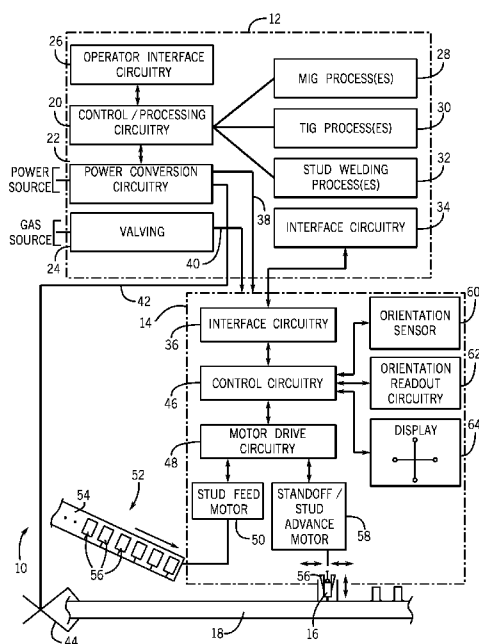
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- (54) Title:** STUD WELDING SYSTEM, CONSUMABLES, AND METHOD



- (57) Abstract:** A stud welding process may be performed by a power supply that is adapted for other welding processes, such as MIG, TIG, and so forth. A stud welding gun may receive studs preloaded in a magazine or other support. Studs are charged into the chuck of a stud welding gun and positioned where desired over a surface. An extension, such as a wire-type electrode may extend from the stud and aid in establishing the welding arc. The stud may be shielded by a nozzle or other shield to obviate the need for ceramic ferrules. Orientation of the stud welding gun may be detected, displayed and used as a basis for initiating and completing the stud welding process once the gun and/or stud is properly positioned.



Declarations under Rule 4.17:

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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