

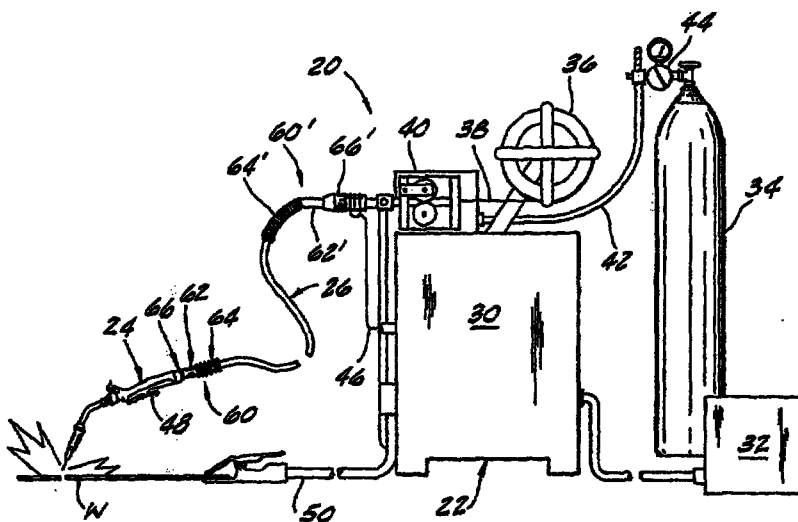
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1 Appln.
3 Invs.

(54) Title: STRAIN RELIEF ASSEMBLY FOR WELDING CABLE ✓



(57) Abstract

A strain relief assembly (60, 60') reduces bending of a welding cable (26) which delivers welding wire (38), gas, and electricity from a welding machine (30) to a welding gun (24) and includes first (62) and second (64) strain relief elements surrounding and extending along the welding cable (26) for supporting and providing strain relief to the cable (26) and a connector (66) attaching the strain relief elements (62, 64) to the machine (30) and/or the gun (24). The first strain relief element (62) extends a first distance from the connector (66) for supporting the cable (26), reducing bending of a first portion of the cable (26) positioned inside the first strain relief element (62). The second strain relief element (64) extends a second distance, greater than the first distance, from the connector (66) for supporting the cable (26) and the first strain relief element (62), thereby reducing bending of the first portion inside the first strain relief element (62) and a second portion of the cable (26) inside the second strain relief element (64).