

Title (en)

FORMING GAS MIXTURE FOR PROTECTING WELD SEAMS DURING INERT GAS SHIELDED ARC WELDING

Title (de)

FORMIERGASGEMISCH ZUM SCHWEISSNAHTSCHUTZ BEIM SCHUTZGASSCHWEISSEN

Title (fr)

MELANGE DE GAZ DE FORMATION POUR PROTEGER DES CORDONS DE SOUDURE LORS DU SOUDAGE EN ATMOSPHERE INERTE

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Application

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Abstract (en)

[origin: DE19857186A1] The invention relates to a forming gas mixture for protecting weld seams during inert gas shielded arc welding, especially tungsten inert-gas welding, inert-gas metal-arc welding, active-gas metal-arc welding or constricted arc welding of metals, especially of differently alloyed steels. According to the invention, the forming gas mixture contains a volume percent of 50 % to 95 % Ar; radical N₂. An oxide-free and even structure of the top and lower surface of the weld seam are thereby guaranteed and a deflagration of the gas mixture is impossible.

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