

Title (en)

PROTECTIVE GAS MIXTURE FOR ARC WELDING OF ALUMINUM AND ALLOYS THEREOF

Title (de)

SCHUTZGASGEMISCH ZUM LICHTBOGEN-SCHWEISSEN VON ALUMINIUM UND SEINEN LEGIERUNGEN

Title (fr)

MÉLANGE DE GAZ PROTECTEUR POUR LE SOUDAGE À L'ARC D'ALUMINIUM ET D'ALLIAGES DE CELUI-CI

Publication

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Application

EP 09733253 A 20090406

Priority

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Abstract (en)

[origin: WO2009127545A1] The protective gas according to the invention for MIG/WIG welding of aluminum comprises a quaternary mixture of argon, helium, nitrogen and dinitrogen oxide, wherein the fraction of dinitrogen oxide is up to 70 vpm, preferably 50 to 70 vpm and wherein the nitrogen fraction is between 250 and 1000 vpm, but increases within these limits as the helium fraction increases. A good welding result is accomplished through the gas mixture according to the invention and the situation with regard to environmental and work safety is substantially improved.

IPC 8 full level

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