

Title (en)
SPATTER REDUCTION TECHNIQUE.

Title (de)
VERFAHREN ZUR VERMINDERUNG DES SPRITZENS.

Title (fr)
PROCEDE POUR DIMINUER LES PROJECTIONS.

Publication
EP 0670761 A4 19970521 (EN)

Application
EP 94900631 A 19931124

Priority

- AU 9300596 W 19931124
- AU PL600792 A 19921124
- AU PL859893 A 19930504

Abstract (en)
[origin: WO9412312A1] A method of metal-inert gas arc welding which reduces spatter in the welding process, wherein a liquid (8), preferably a hydrocarbon, is dispersed in the inert gas during the welding process. At a weld site (2) the use of the liquid (8) dispersed in the gas prevents any spatter formed from adhering to any surfaces adjacent the welding hand piece (3). The liquid may be dispersed in the gas by passing the gas through the liquid in a container (7) located between the gas supply (12, 13) and the welding hand piece (3), or may be injected into the gas as a vapour or fine mist.

IPC 1-7
B23K 35/38; **B23K 9/173**

IPC 8 full level
B23K 9/173 (2006.01); **B23K 35/22** (2006.01); **B23K 35/38** (2006.01)

CPC (source: EP)
B23K 9/173 (2013.01); **B23K 35/224** (2013.01); **B23K 35/383** (2013.01)

Citation (search report)

- [A] EP 0020174 A1 19801210 - AIR PROD & CHEM [US]
- [A] US 2768278 A 19561023 - GAINES JOHN M
- [A] US 4609804 A 19860902 - KISHI TOMOMI [JP], et al
- See references of WO 9412312A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9412312 A1 19940609; CA 2150001 A1 19940609; EP 0670761 A1 19950913; EP 0670761 A4 19970521

DOCDB simple family (application)
AU 9300596 W 19931124; CA 2150001 A 19931124; EP 94900631 A 19931124