

Title (en)

Braze welding method of galvanized parts using a ternary gas mixture

Title (de)

Lötschweisssverfahren von verzinkten Werkstücken gebrauchend eine ternäre Gasmischung

Title (fr)

Procédé de soudo-brasage de pièces galvanisées utilisant un mélange gazeux ternaire

Publication

EP 1474263 A2 20041110 (FR)

Application

EP 03712259 A 20030117

Priority

- FR 0300155 W 20030117
- FR 0201216 A 20020201

Abstract (en)

[origin: WO03064098A2] The invention relates to a gas mixture containing hydrogen, carbon dioxide and argon in the following volume proportions: 0.4 to 2 % hydrogen, 0.3 to 2 % carbon dioxide and argon for the remainder (up to 100%). The invention also relates to a method of braze welding galvanised metal parts in which brazing is performed between the parts to be assembled by means of fusion, using at least one electric arc, one metal filler wire and a brazing gas shield which is formed by one such ternary gas mixture.

IPC 1-7

B23K 9/173

IPC 8 full level

B23K 9/16 (2006.01); **B23K 9/00** (2006.01); **B23K 9/173** (2006.01); **B23K 31/02** (2006.01); **B23K 103/04** (2006.01)

CPC (source: EP US)

B23K 9/173 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03064098 A2 20030807; **WO 03064098 A3 20040415**; CA 2474527 A1 20030807; CA 2474527 C 20110104; EP 1474263 A2 20041110; FR 2835457 A1 20030808; FR 2835457 B1 20040402; JP 2005515899 A 20050602; JP 4422484 B2 20100224; US 2005082349 A1 20050421; US 7241970 B2 20070710

DOCDB simple family (application)

FR 0300155 W 20030117; CA 2474527 A 20030117; EP 03712259 A 20030117; FR 0201216 A 20020201; JP 2003563769 A 20030117; US 50335704 A 20040730