

Title (en)

PROCESS AND DEVICE FOR CLEANING WELDING TORCHES WITH CO2 DRY ICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REINIGEN VON SCHWEISSBRENNERN MIT CO2-TROCKENEIS

Title (fr)

PROCEDE ET DISPOSITIF DE NETTOYAGE DE CHALUMEAUX DE SOUDAGE AU MOYEN DE GLACE CARBONIQUE

Publication

EP 1784275 A1 20070516 (DE)

Application

EP 05747660 A 20050422

Priority

- DE 2005000745 W 20050422
- DE 102004063473 A 20040424

Abstract (en)

[origin: WO2005102584A1] Process and devices for cleaning welding torches (10), for example in automated welding lines, on welding robots and in single-piece production, by means of a cold medium, preferably CO2 dry ice, the CO2 snow produced by expanding the pressurised liquid CO2 being directly applied with low density in a uniform or intermittent manner to the surfaces to be cleaned of the contact pipe (12) and gas nozzle (13) by means of a cleaning head (8) that fits the burner (10).

IPC 8 full level

B23K 9/32 (2006.01); **B05B 1/02** (2006.01); **B24C 1/00** (2006.01); **B24C 5/04** (2006.01)

CPC (source: EP US)

B23K 9/32 (2013.01 - EP US); **B23K 9/328** (2013.01 - EP US); **B24C 1/003** (2013.01 - EP US); **B24C 5/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2005102584A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005102584 A1 20051103; CA 2563974 A1 20051103; DE 112005001612 A5 20070524; EP 1784275 A1 20070516; JP 2007534496 A 20071129; US 2008236633 A1 20081002

DOCDB simple family (application)

DE 2005000745 W 20050422; CA 2563974 A 20050422; DE 112005001612 T 20050422; EP 05747660 A 20050422; JP 2007508725 A 20050422; US 58734707 A 20070110