

Title (en)

DEVICE FOR CARRYING OUT AN INDUCTIVE LOW-FREQUENCY OR HIGH-FREQUENCY PRESSURE WELDING METHOD, COMPRISING AN INSULATOR LOCATED BETWEEN THE INDUCTOR AND THE COMPONENTS IN THE ZONE OF THE JOINT

Title (de)

VORRICHTUNG ZUR DURCHFÜHRUNG EINES INDUKTIVEN NIEDER- ODER HOCHFREQUENZ-PRESSSCHWEISSVERFAHRENS MIT EINEM ZWISCHEN DEM INDUKTOR UND DEN BAUELEMENTEN IM BEREICH DER VERBINDUNG ANGEORDNETEN ISOLATOR

Title (fr)

DISPOSITIF DE MISE EN OEUVRE D'UN PROCÉDÉ DE SOUDAGE PAR PRESSION ET PAR INDUCTION À BASSE FRÉQUENCE OU À HAUTE FRÉQUENCE AVEC UN ISOLATEUR PLACÉ DANS LA RÉGION DE LA LIAISON, ENTRE L'INDUCTEUR ET LES COMPOSANTS

Publication

EP 2024129 A1 20090218 (DE)

Application

EP 07785514 A 20070518

Priority

- DE 2007000917 W 20070518
- DE 102006024283 A 20060524

Abstract (en)

[origin: CA2652359A1] The invention relates to a device for carrying out an inductive low-frequency or high-frequency pressure welding method for joining metallic components (12, 24), particularly gas turbine components. Said device comprises at least one generator (16) and at least one inductor (18). An insulator (28) is arranged at least in part between the inductor (18) and the components (12, 24) in the zone of the component (12, 24) sections that are to be joined. Said insulator (28) is disposed at a distance from the inductor (18) and the components (12, 24) while being made of a material that does not, or not significantly, affect the magnetic interaction between the inductor (18) and the components (12, 24) that are to be joined as a result of the specific properties of the material.

IPC 8 full level

B23K 13/01 (2006.01); **B23P 6/00** (2006.01); **B23P 15/00** (2006.01); **F01D 5/00** (2006.01); **F01D 5/30** (2006.01); **F01D 5/34** (2006.01); **B23K 101/00** (2006.01)

CPC (source: EP US)

B23K 13/01 (2013.01 - EP US); **B23P 6/005** (2013.01 - EP US); **F01D 5/005** (2013.01 - EP US); **F01D 9/042** (2013.01 - EP US); **B23K 2101/001** (2018.07 - EP US)

Citation (search report)

See references of WO 2007134586A1

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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006024283 A1 20071129; CA 2652359 A1 20071129; EP 2024129 A1 20090218; US 2009324398 A1 20091231; WO 2007134586 A1 20071129

DOCDB simple family (application)

DE 102006024283 A 20060524; CA 2652359 A 20070518; DE 2007000917 W 20070518; EP 07785514 A 20070518; US 30220507 A 20070518