

Title (en)

METHOD FOR REPAIRING AN ALUMINIUM ALLOY COMPONENT

Title (de)

VERFAHREN ZUR REPARATUR EINES BAUTEILES AUS EINER ALUMINIUMLEGIERUNG

Title (fr)

PROCÉDÉ DE RÉPARATION DE COMPOSANT D'ALLIAGE D'ALUMINIUM

Publication

EP 2688708 A1 20140129 (EN)

Application

EP 12720582 A 20120326

Priority

- IT TO20110257 A 20110324
- IB 2012051434 W 20120326

Abstract (en)

[origin: WO2012127457A1] The invention refers to a method for the repair of an aluminium alloy component, in particular a precipitation- hardened aluminium alloy component, comprising the steps of: a) depositing by cold spray on said component to be repaired a portion of supplied material, thus obtaining a partially repaired component; b) subjecting said partially repaired component to a thermal treatment, thus obtaining a repaired component, the conditions of performance of said thermal treatment being selected according to the composition and dimensional tolerances of said component.

IPC 8 full level

B23P 6/00 (2006.01); **C23C 24/04** (2006.01)

CPC (source: EP US)

C23C 24/04 (2013.01 - EP US); **C23C 26/00** (2013.01 - US)

Citation (search report)

See references of WO 2012127457A1

Cited by

US11898986B2; US11935662B2; US11662300B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012127457 A1 20120927; CA 2830998 A1 20120927; CA 2830998 C 20190402; EP 2688708 A1 20140129; EP 2688708 B1 20150819; ES 2551080 T3 20151116; IT TO20110257 A1 20120925; US 2014127400 A1 20140508

DOCDB simple family (application)

IB 2012051434 W 20120326; CA 2830998 A 20120326; EP 12720582 A 20120326; ES 12720582 T 20120326; IT TO20110257 A 20110324; US 201214006915 A 20120326