

Title (en)

METHOD FOR COMPRESSING A COMPONENT MADE OF ALUMINUM AND/OR AN ALUMINUM ALLOY

Title (de)

VERFAHREN ZUM VERDICHTEN EINES BAUTEILS AUS ALUMINIUM UND/ODER EINER ALUMINIUMLEGIERUNG

Title (fr)

PROCÉDÉ POUR COMPACTER 'UN COMPOSANT EN ALUMINIUM ET/OU EN ALLIAGE D'ALUMINIUM

Publication

EP 2271792 A1 20110112 (DE)

Application

EP 09741854 A 20090505

Priority

- EP 2009003197 W 20090505
- DE 102008023079 A 20080509

Abstract (en)

[origin: WO2009135635A1] The invention relates to a method for compressing a component made of aluminum and/or an aluminum alloy, comprising an oxide layer on the surface that is produced in a uniform manner by anodizing. The compression method comprises hot water compression of the component in a bath of completely desalinated water while using positive pressure for a period of at least one minute. Due to the pressure application in a closed compression chamber, the compression process is accelerated and the capacity of the anodizing unit is increased.

IPC 8 full level

C25D 11/24 (2006.01)

CPC (source: EP US)

C25D 11/246 (2013.01 - EP US)

Citation (search report)

See references of WO 2009135635A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009135635 A1 20091112; WO 2009135635 A4 20100107; CA 2722741 A1 20091112; DE 102008023079 A1 20100107; EP 2271792 A1 20110112; US 2011114494 A1 20110519

DOCDB simple family (application)

EP 2009003197 W 20090505; CA 2722741 A 20090505; DE 102008023079 A 20080509; EP 09741854 A 20090505; US 73683009 A 20090505