

Title (en)

The method of removing rivets especially for magnetic-impulse installation for riveting with heating

Title (de)

Verfahren zur Entfernung von Nieten insbesondere zur Magnetimpulsinstallation zum Vernieten mit Erhitzung

Title (fr)

Procédé d'enlèvement de rivets notamment pour installation à impulsion magnétique pour rivetage avec chauffage

Publication

**EP 2992981 A1 20160309 (EN)**

Application

**EP 14460123 A 20141219**

Priority

PL 40940014 A 20140908

Abstract (en)

The method of removing rivets, especially by means of magnetic - impulse riveting installation with heating, characteristic in that, in the first stage, on the both sides the device clamps around the clapped rivet, then the contacts of device are connected to the endings of rivet, in the second stage, the rivet is heated up to a temperature at least 500 ° C, preferably 600-700 ° C, next the rivet is removed by the use of a punch, then the punch and touching elements are cooled with preferably compressed air, wherein the removal of the rivet is made automatically.

IPC 8 full level

**B21J 15/02** (2006.01); **B21J 15/08** (2006.01); **B21J 15/24** (2006.01); **B21J 15/50** (2006.01)

CPC (source: EP)

**B21J 15/02** (2013.01); **B21J 15/08** (2013.01); **B21J 15/24** (2013.01); **B21J 15/50** (2013.01)

Citation (applicant)

- PL 359889 A1 20031117 - NEWFREY LLC [US]
- PL 345965 A1 20010924 - GESIPA BLINDNIETTECHNIK [DE]
- PL 377909 A1 20070514 - O & SACUTE RODEK BADAWCZO ROZW [PL]
- WO 2013053350 A1 20130418 - PREMIUM AEROTEC GMBH
- WO 2007090682 A2 20070816 - WUERTH ADOLF GMBH & CO KG [DE], et al
- WO 03061869 A1 20030731 - HONDA MOTOR CO LTD [JP], et al

Citation (search report)

[A] US 3576064 A 19710427 - BRACKIN EARL R

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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