

Title (en)

Method for setting blind revets and blind rivet nuts and setting apparatus for blind rivets and blind rivet nuts

Title (de)

Verfahren zum Setzen von Blindnieten und Blindnietmuttern und Setzgerät für Blindniete und Blindnietmuttern

Title (fr)

Procédé pour la pose de rivets borgnes et d'écrous aveugles et dispositif pour la pose de rivets borgnes et d'écrous aveugles

Publication

EP 0653259 B1 19970326 (DE)

Application

EP 94117724 A 19941110

Priority

DE 4339117 A 19931116

Abstract (en)

[origin: EP0653259A1] A description is given of a method for setting blind rivets and blind rivet nuts and of a setting apparatus, in which a tensile force is produced during a setting operation with the aid of an electric motor (3). During this process, the rivetting or setting operation is to be monitored without the need for additional mechanical components. For the purpose of monitoring the operation, the input current of the motor (3) is monitored with the aid of a circuit device which has a current-measuring device (8) that monitors the power consumption of the motor and is connected to an evaluation device (10). <IMAGE>

IPC 1-7

B21J 15/26; **B21J 15/28**

IPC 8 full level

B21J 15/26 (2006.01); **B21J 15/28** (2006.01)

CPC (source: EP US)

B21J 15/043 (2013.01 - EP US); **B21J 15/26** (2013.01 - EP US); **B21J 15/28** (2013.01 - EP US); **B21J 15/285** (2013.01 - EP US); **Y10T 29/53013** (2015.01 - EP US); **Y10T 29/53065** (2015.01 - EP US); **Y10T 29/53087** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Cited by

US11045861B2; DE102013221789A1; DE102013221792A1; EP0953388A3; US9079240B2; EP1297916A3; EP3530370A4; WO2009074312A1; CN110023006A; EP3530372A4; US11065674B2; DE102013221789B4

Designated contracting state (EPC)

AT BE CH DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0653259 A1 19950517; **EP 0653259 B1 19970326**; AT E150678 T1 19970415; DE 4339117 A1 19950518; DE 4339117 C2 19980716; DK 0653259 T3 19970929; ES 2101424 T3 19970701; JP 2501021 B2 19960529; JP H07164092 A 19950627; PL 305842 A1 19950529; US 5655289 A 19970812

DOCDB simple family (application)

EP 94117724 A 19941110; AT 94117724 T 19941110; DE 4339117 A 19931116; DK 94117724 T 19941110; ES 94117724 T 19941110; JP 28042994 A 19941115; PL 30584294 A 19941114; US 34012194 A 19941115