

Title (en)

Blind riveting apparatus and method for setting a blind rivet

Title (de)

Blindnietsetzgerät und Verfahren zum Setzen eines Blindnietes

Title (fr)

Appareil de pose de rivets aveugles et procédé de pose d'un rivet aveugle

Publication

EP 2985093 B1 20190529 (DE)

Application

EP 14181124 A 20140815

Priority

EP 14181124 A 20140815

Abstract (en)

[origin: US2016045950A1] Blind rivet setting device and method. The blind rivet setting device includes a housing; a pulling mechanism arranged in the housing; an electric motor structured and arranged move the pulling mechanism in a pulling direction out of a rivet receiving position; a control device, which is structured and arranged to control the motor, including a tear-off detection device that generates a mandrel tear-off signal when a pulling mandrel is torn off; and an operating device that is connected to the control device. When the mandrel tear-off signal is generated, the control device stops the driving of the pulling mechanism in the pulling direction.

IPC 8 full level

B21J 15/04 (2006.01); **B21J 15/10** (2006.01); **B21J 15/26** (2006.01); **B21J 15/28** (2006.01)

CPC (source: EP US)

B21J 15/043 (2013.01 - EP US); **B21J 15/105** (2013.01 - EP US); **B21J 15/26** (2013.01 - EP US); **B21J 15/28** (2013.01 - US); **B21J 15/285** (2013.01 - EP US)

Citation (examination)

- DE 102005054048 A1 20070516 - BAYERISCHE MOTOREN WERKE AG [DE]
- DE 102007059422 A1 20090618 - BAYERISCHE MOTOREN WERKE AG [DE], et al
- DE 102013112363 A1 20150513 - HS TECHNIK GMBH [DE]

Cited by

EP3988227A1

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)

EP 2985093 A1 20160217; **EP 2985093 B1 20190529**; CN 105363988 A 20160302; CN 105363988 B 20181116; US 10118215 B2 20181106; US 2016045950 A1 20160218

DOCDB simple family (application)

EP 14181124 A 20140815; CN 201510354594 A 20150624; US 201514803742 A 20150720