

Title (en)

Automated fastener setting tool

Title (de)

Automatische Einrichtung zum Setzen von Befestigungselementen

Title (fr)

Outil de pose d'éléments de fixation automatisé

Publication

EP 2644298 A2 20131002 (EN)

Application

EP 13160166 A 20130320

Priority

- US 201261615562 P 20120326
- US 201313829030 A 20130314

Abstract (en)

A fastener setting device includes a monitoring circuit having circuitry to receive a feed status signal from a first sensor within the feed system. The circuitry receives a robotic arm status signal from a second sensor within the robotic arm and receives a rivet set status signal from a third sensor within the setting tool. The circuit determines if a fault condition occurs; and initiates a rivet clearing procedure if a fault condition is detected.

IPC 8 full level

B21J 15/02 (2006.01); **B21J 15/28** (2006.01); **B21J 15/32** (2006.01)

CPC (source: EP US)

B21J 15/02 (2013.01 - US); **B21J 15/025** (2013.01 - EP US); **B21J 15/10** (2013.01 - US); **B21J 15/28** (2013.01 - EP US); **B21J 15/32** (2013.01 - EP US); **Y10T 29/49956** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Cited by

US2013263433A1; CN109093053A; DE102019128229B3; US11171431B2; EP3581336A1; CN113145788A; EP3812062A1; DE202020005655U1; US11471933B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2644298 A2 20131002; **EP 2644298 A3 20150617**; **EP 2644298 B1 20170524**; US 2013263433 A1 20131010

DOCDB simple family (application)

EP 13160166 A 20130320; US 201313829030 A 20130314