

Title (en)

SELF-PIERCING RIVET SETTING DEVICE AND METHOD WITH A VIBRATION SUPPORTING A STAMP FORCE

Title (de)

STANZNIETVORRICHTUNG UND STANZNIETVERFAHREN ZUM STANZNIETEN MIT EINER EINE STEMPELKRAFT UNTERSTÜTZENDEN SCHWINGUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RIVETAGE AUTO-POINÇONNANT AVEC VIBRATION SOUTENANT LA FORCE EXERCÉE SUR LE POINÇON

Publication

**EP 3178583 B1 20200909 (DE)**

Application

**EP 16199456 A 20161118**

Priority

DE 102015224784 A 20151210

Abstract (en)

[origin: CN106862463A] The invention provides a self-piercing rivet setting device and rivet setting method for self-piercing with an oscillation supporting a stamp force. The rivet setting method comprises the following components: a vibration generating device (21) for producing vibration (S) which supports a punch force (F) for setting a punch rivet (5) into at least one component (6,7); a die (10) which is used for bearing the punch force (F) and bearing the vibration which supports the punch force (F); and a test device (15) for checking mechanical quality of rivet connection produced by the punch rivet (5) with test vibration (P) produced by vibration generation equipment (21).

IPC 8 full level

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