

Title (en)

Solenoid powered riveting tool.

Title (de)

Magnetgetriebenes Nietwerkzeug.

Title (fr)

Outil de rivetage actionné par aimant.

Publication

**EP 0323113 A2 19890705 (EN)**

Application

**EP 88312087 A 19881221**

Priority

US 13935687 A 19871230

Abstract (en)

A solenoid (34,71) actuated blind rivet tool having pulling impulse intensifying means co-acting with the mandrel pulling mechanism (14,20,22,86). One type of impulse intensifying means is a slideable connection of the tool's nose housing (11), housing the assembly for engaging and tensioning the mandrel, and power chamber (36) which comprises the remainder of the tool housing, which power chamber carries a solenoid (34) for powering the tool. The solenoid pulls the nose housing (11) rearwardly until it impacts against the power chamber (55), creating a high-magnitude impulse force to break the mandrel. In lieu of a slideably mounted nosepiece (11), the tool may include a member (86) linked to the pulling mechanism (14,20,22) and a ram (75) which is driven against the member by the solenoid (71) thereby creating an impulse force which is transmitted to the pulling mechanism.

IPC 1-7

**B21J 15/04; B21J 15/24**

IPC 8 full level

**B21J 15/00** (2006.01); **B21J 15/02** (2006.01); **B21J 15/04** (2006.01); **B21J 15/16** (2006.01); **B21J 15/24** (2006.01); **B21J 15/36** (2006.01)

CPC (source: EP)

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