

Title (en)
Washer bending device

Title (de)
Biegevorrichtung für eine Unterlagsscheibe

Title (fr)
Dispositif de pliage d'une rondelle

Publication
EP 1967325 A1 20080910 (EN)

Application
EP 08152249 A 20080304

Priority
JP 2007057149 A 20070307

Abstract (en)
The invention provides a washer bending device (15) able to continuously make a confirming operation of a fastening degree of a screw-attaching work (4) screw-attached to a screw-attaching portion (2) through a washer (3) and a bending operation of the washer for stopping rotation of the screw-attaching work (4) for a short time, and improve operation efficiency. Therefore, the washer bending device (1) has a work storing member (14) for storing a screw-attaching work (4), a washer bending member (15) for bending a washer (3) projected out of a projecting-out portion (6) of the screw-attaching work (4), and a support frame (13) for supporting the work storing member (14). The work storing member (14) stores the screw-attaching work (4) and fits the projecting-out portion (6) of the screw-attaching work (4) to a fitting portion (24). The washer bending member (15) abuts a washer abutting portion (31) against the washer (3) projected out of the projecting-out portion (6) of the screw-attaching work (4). After the handle (18) of the support frame (13) is operated and a screw-attaching state is confirmed, the screw-attaching work (4) is pressed toward the screw-attaching portion (2) by a pressing device (16), and the washer abutting portion (31) is relatively retreated and the washer (3) is bent.

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Citation (applicant)
• US 1538347 A 19250519 - NEWQUIST HARVEY R
• US 2950944 A 19600830 - COONEY JAMES J

Citation (search report)
• [A] US 1538347 A 19250519 - NEWQUIST HARVEY R
• [A] US 2950944 A 19600830 - COONEY JAMES J
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