

Title (en)

Electrical terminal applicator with improved crimp height adjustment plate means.

Title (de)

Verpresswerkzeug für elektrische Endstücke mit verbesserten Einstellungsmittel der Verpresshöhe.

Title (fr)

Machine du sertissage pour des embouts électriques comportant des moyens d'ajustement de la hauteur de sertissage améliorés.

Publication

EP 0643456 A1 19950315 (EN)

Application

EP 93114720 A 19930914

Priority

EP 93114720 A 19930914

Abstract (en)

An electrical terminal applicator (10) includes an applicator ram (14) drivable by a press ram (60) through a working stroke towards, and a return stroke away from, a crimping anvil. A first crimping die (20) is mounted on the applicator ram for cooperation with the anvil to crimp a first portion of an electrical terminal onto an exposed end of a conductive core of an insulated electrical wire during each working stroke of the applicator ram. A second crimping die (18) is mounted on the applicator ram for cooperation with the anvil (22) to crimp a second portion of the terminal onto the insulation of the electrical wire during each working stroke of the applicator ram. A first adjusting plate (42) is mounted for rotation about an axis (44) on and extending in the direction of movement of the applicator ram to selectively interpose projections between the press ram and the applicator ram to adjust the shut height of the first and second crimping dies. A second adjusting plate (46) is mounted for rotation about the axis for selectively interposing projections between the first adjusting plate and the second crimping die to adjust the shut height of the second die. A third adjusting plate (50) in the form of a thin flexible disc is mounted for rotation about the axis. The disc has a plurality of apertures (70) concentric about the axis. A plurality of diskettes (54) of a greater thickness than the disc are mounted in the apertures. The diskettes have varying thicknesses and act as projections selectively positionable between the press ram and the first adjusting plate to provide further adjustment of the shut height of the first die and, in turn, the shut height of the second die. <IMAGE>

IPC 1-7

H01R 43/048; B30B 15/00

IPC 8 full level

B30B 15/00 (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP)

B30B 15/0035 (2013.01); **H01R 43/0488** (2013.01)

Citation (search report)

- [A] US 3911717 A 19751014 - YUDA LAWRENCE FRANK
- [A] DE 4039051 A1 19920617 - BERNHARD SCHAEFER WERKZEUG UND [DE]

Cited by

CN106451007A

Designated contracting state (EPC)

DE ES FR GB GR IE IT NL PT

DOCDB simple family (publication)

EP 0643456 A1 19950315; DE 69403743 D1 19970717; DE 69403743 T2 19980102

DOCDB simple family (application)

EP 93114720 A 19930914; DE 69403743 T 19940224