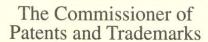
The United States of America



Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

2. Toda Tjohn

Acting Commissioner of Patents and Trademarks

allie M. Person



US005913648A

ABSTRACT

United States Patent [19]

Lin

[11] **Patent Number:**

5,913,648

Date of Patent:

Jun. 22, 1999

[54]	ROTATABLY FASTENING BLIND RIVET
[76]	Inventor: Wei-Hwang Lin, Dept. Of Military Engr. Chinese Military Academy 830 R.O.C., Feng - Shan, Taiwan
[21]	Appl. No.: 09/140,058
[22]	Filed: Aug. 24, 1998
	Int. Cl. ⁶
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[57]

A rotatably fastening blind rivet is provided. The blind rivet includes a tubular rivet body of ductile material and an elongate stem engaged into the rivet body which has a radially enlarged rivet head of hexagon configuration at one end having a serrated surface and a central bore, a threaded inner periphery of predetermined pitch and number of threads in an upper region and a progressively introversion inner periphery in a lower region of the body. The stem includes a cylinder shank of threaded outer periphery engageable with the threads of the rivet body, a breakneck on the top of the shank from which a tensioning rod of hexagon spiral outer periphery extends upward and is slidably engageable with the central bore of the rivet head and a terminal head of stiffness material at a lower end of the shank remote from the rod having serrated surface toward the shank. In installation, the tensioning rod is rotated mechanically or manually to provide proper torque to force the upward movement of the terminal head which in turn presses the tubular body to be radially deformed to become a blind head against a workpiece.

Primary Examiner-Neill Wilson

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1 Claim, 5 Drawing Sheets

