

PATENT SPECIFICATION

(11) 1 475 502

1 475 502

- (21) Application No. 18735/75 (22) Filed 18 Oct. 1973
(62) Divided out of No. 1 475 501
(23) Complete Specification filed 10 Oct. 1974
(44) Complete Specification published 1 June 1977
(51) INT CL² H01R 9/12
(52) Index at acceptance H2E 2D
(72) Inventor JOHN HAROLD LADD



(54) A TERMINAL WITH A SPRING CLIP

(71) We, **ELECTRONIC & FLUORESCENT ACCESSORIES LIMITED**, a British company of 808—809 Oxford Avenue, Slough Trading Estate, Slough, Buckinghamshire, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a terminal comprising a metallic body and metallic spring clip, for connecting a bared portion of a conductor wire to a fuse link. One use of such a terminal is disclosed in the parent application No. 48682/73 (Serial No. 1,475,501).

An object of the invention is to provide such a terminal which is simple to assemble and which avoids the need to use rivetting, soldering or brazing.

According to this invention a terminal comprises a metallic body and a metallic spring clip, the body having a bore for a conductor wire and a screw for fixing the conductor in the bore, the clip having an elongate tongue shaped to be received in the bore and to be clampingly fixed therein by the screw, and the clip being shaped to receive a conductive end cap of a fuse link. Preferably the spring clip is of phosphor bronze. Thus a bared conductor wire end may be inserted in the bore and the screw is tightened to engage the tongue or the wire end and fix both to the metallic body. No separate fixing means is required for the spring clip. A pair of such terminals would be used to hold a fuse link.

The invention will now be described by way of example, with reference to the drawing, in which:—

Figure 1 includes side and elevational and a top plan of the metallic body; and

Figure 2 includes three views of each of a pair of the metallic spring clips.

Referring to the drawing, Figure 1 shows the metallic body of one fuse link terminal and Figure 2 shows left and right-hand clips, which may be fixed to respective metallic bodies. Each metallic body has a bore 11 for a bared end of a conductor wire and a threaded bore 11A to receive the usual wire-fixing grub screw (not shown). Each clip has a tongue 12A, which is shaped so as to be received in the bore 11, and a curved spring clip portion 12B to grip a conductive end cap of a fuse link. The clips are of phosphor bronze. Each clip also has a hole 12C which is aligned with the grub screw hole 11A, and the grub screw when screwed down presses the tongue 12A firmly against the bared end of the conductor wire in the bore 11: thus the clip is retained and located with the metallic body, so as to constitute the complete terminal, a pair of which is used for mounting a fuse link.

WHAT WE CLAIM IS:—

1. A terminal comprising a metallic body and a metallic spring clip, the body having a bore for a conductor wire and a screw for fixing the conductor in the bore, the clip having an elongate tongue shaped to be received in the bore and to be clampingly fixed therein by the screw, and the clip being shaped to receive a conductive end cap of a fuse link.

2. A terminal according to claim 1, wherein the clip is of phosphor bronze.

3. A fuse link terminal constructed and arranged substantially as herein described and shown in the accompanying drawing.

WITHERS & ROGERS,
Chartered Patent Agents,
148—150 Holborn,
London, EC1N 2NT.
Agents for the Applicants.

PATENT SPECIFICATION

(11) 1 475 502

1 475 502

- (21) Application No. 18735/75 (22) Filed 18 Oct. 1973
(62) Divided out of No. 1 475 501
(23) Complete Specification filed 10 Oct. 1974
(44) Complete Specification published 1 June 1977
(51) INT CL² H01R 9/12
(52) Index at acceptance H2E 2D
(72) Inventor JOHN HAROLD LADD



(54) A TERMINAL WITH A SPRING CLIP

(71) We, **ELECTRONIC & FLUORESCENT ACCESSORIES LIMITED**, a British company of 808-809 Oxford Avenue, Slough Trading Estate, Slough, Buckinghamshire, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a terminal comprising a metallic body and metallic spring clip, for connecting a bared portion of a conductor wire to a fuse link. One use of such a terminal is disclosed in the parent application No. 48682/73 (Serial No. 1,475,501).

An object of the invention is to provide such a terminal which is simple to assemble and which avoids the need to use rivetting, soldering or brazing.

According to this invention a terminal comprises a metallic body and a metallic spring clip, the body having a bore for a conductor wire and a screw for fixing the conductor in the bore, the clip having an elongate tongue shaped to be received in the bore and to be clampingly fixed therein by the screw, and the clip being shaped to receive a conductive end cap of a fuse link. Preferably the spring clip is of phosphor bronze. Thus a bared conductor wire end may be inserted in the bore and the screw is tightened to engage the tongue or the wire end and fix both to the metallic body. No separate fixing means is required for the spring clip. A pair of such terminals would be used to hold a fuse link.

The invention will now be described by way of example, with reference to the drawing, in which:—

Figure 1 includes side and elevational and a top plan of the metallic body; and

Figure 2 includes three views of each of a pair of the metallic spring clips.

Referring to the drawing, Figure 1 shows the metallic body of one fuse link terminal and Figure 2 shows left and right-hand clips, which may be fixed to respective metallic bodies. Each metallic body has a bore 11 for a bared end of a conductor wire and a threaded bore 11A to receive the usual wire-fixing grub screw (not shown). Each clip has a tongue 12A, which is shaped so as to be received in the bore 11, and a curved spring clip portion 12B to grip a conductive end cap of a fuse link. The clips are of phosphor bronze. Each clip also has a hole 12C which is aligned with the grub screw hole 11A, and the grub screw when screwed down presses the tongue 12A firmly against the bared end of the conductor wire in the bore 11: thus the clip is retained and located with the metallic body, so as to constitute the complete terminal, a pair of which is used for mounting a fuse link.

WHAT WE CLAIM IS:—

1. A terminal comprising a metallic body and a metallic spring clip, the body having a bore for a conductor wire and a screw for fixing the conductor in the bore, the clip having an elongate tongue shaped to be received in the bore and to be clampingly fixed therein by the screw, and the clip being shaped to receive a conductive end cap of a fuse link.

2. A terminal according to claim 1, wherein the clip is of phosphor bronze.

3. A fuse link terminal constructed and arranged substantially as herein described and shown in the accompanying drawing.

WITHERS & ROGERS,
Chartered Patent Agents,
148-150 Holborn,
London, EC1N 2NT.
Agents for the Applicants.

