



US00D484102S

(12) **United States Design Patent** (10) **Patent No.:** **US D484,102 S**  
**Fan** (45) **Date of Patent:** **\*\* Dec. 23, 2003**

- (54) **TRANSIENT VOLTAGE SURGE PROTECTOR**
- (75) Inventor: **Ying-Yi Fan, Taipei (TW)**
- (73) Assignee: **Powercom Corporation, Taipei (TW)**
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/160,556**
- (22) Filed: **May 14, 2002**
- (51) **LOC (7) Cl.** ..... **13-03**
- (52) **U.S. Cl.** ..... **D13/160**
- (58) **Field of Search** ..... D13/137.3, 137.4,  
D13/138.2, 160; 174/53, 65 R, 77 R, 92;  
200/298, 301, 302.1; 361/42, 45

- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- 3,761,774 A \* 9/1973 Laughinghouse et al. .... 361/45
- D313,971 S \* 1/1991 Rosenbaum et al. .... D13/160
- 5,684,272 A \* 11/1997 Gernhardt et al. .... 174/65 R
- D391,922 S \* 3/1998 Aromin ..... D13/160
- D416,234 S 11/1999 Veino et al.
- D418,482 S \* 1/2000 MacKay ..... D13/160
- D454,546 S \* 3/2002 MacKay ..... D13/160

\* cited by examiner

*Primary Examiner*—Ted Shooman  
*Assistant Examiner*—Selina Sikder  
 (74) *Attorney, Agent, or Firm*—Johnson, Lin & Associates;  
 Chauncey B. Johnson, Esq.

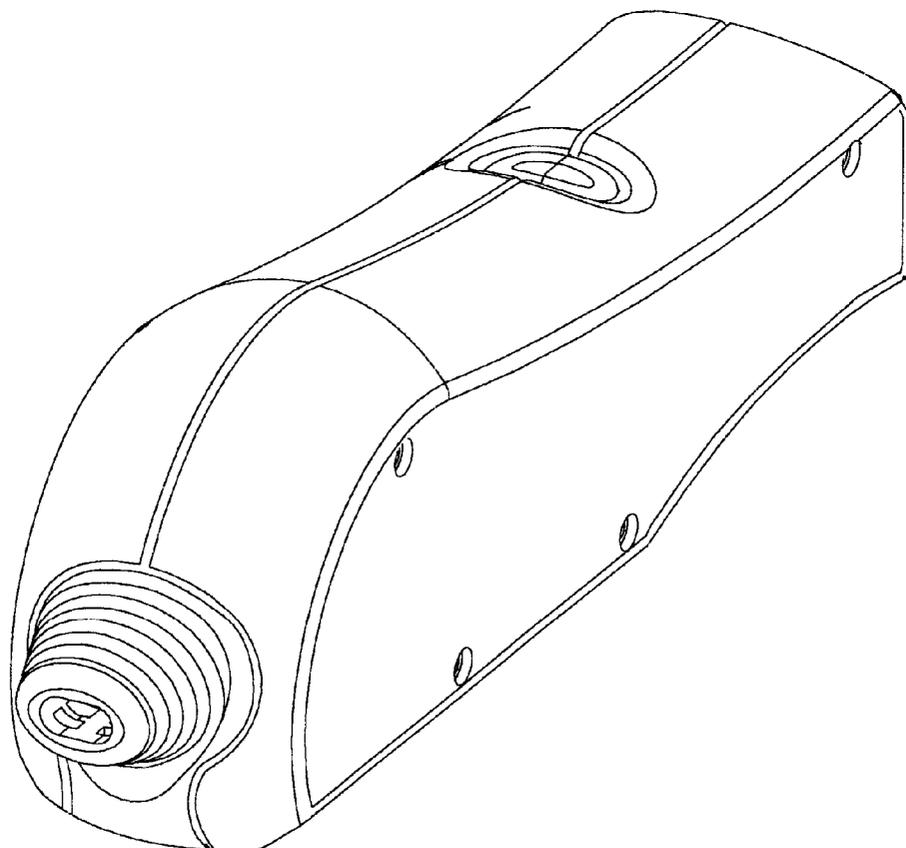
(57) **CLAIM**

The ornamental design for a transient voltage surge protector, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an transient voltage surge protector showing our new design;  
 FIG. 2 is a right side view of the transient voltage surge protector shown in FIG. 1;  
 FIG. 3 is a top view of the transient voltage surge protector shown in FIG. 1;  
 FIG. 4 is a front view of the transient voltage surge protector shown in FIG. 1;  
 FIG. 5 is a bottom view of the transient voltage surge protector shown in FIG. 1;  
 FIG. 6 is a left side view of the transient voltage surge protector shown in FIG. 1; and,  
 FIG. 7 is a rear view of the transient voltage surge protector shown in FIG. 1.

**1 Claim, 4 Drawing Sheets**



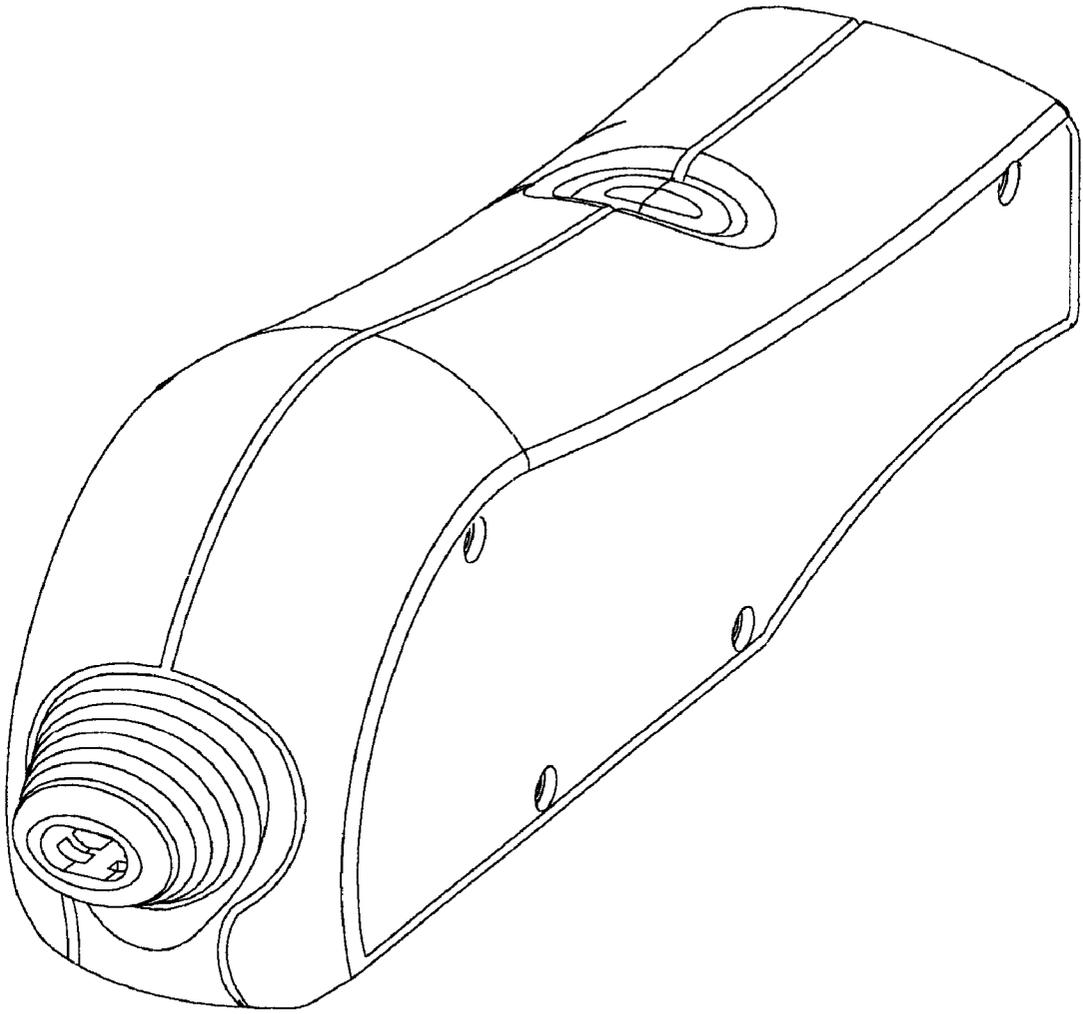


Fig. 1

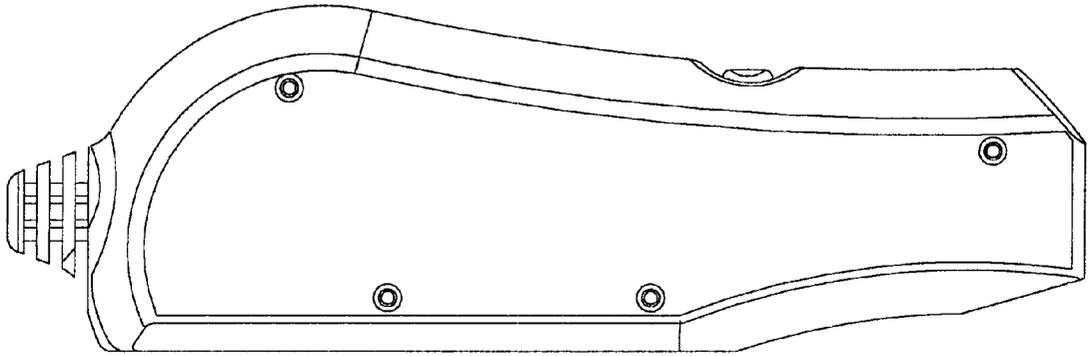


Fig. 2

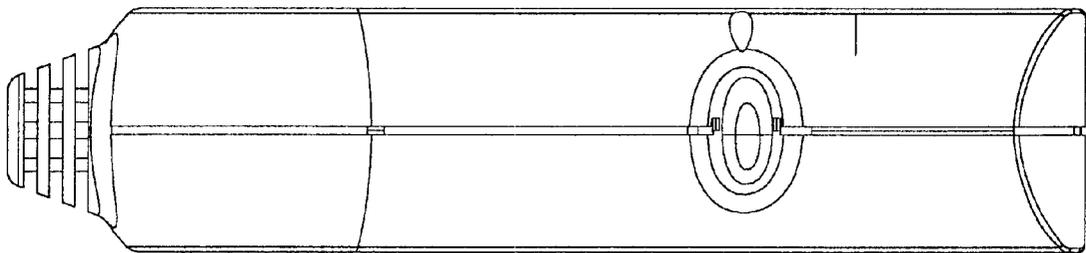


Fig. 3

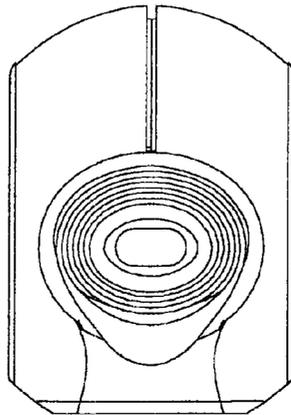


Fig. 4

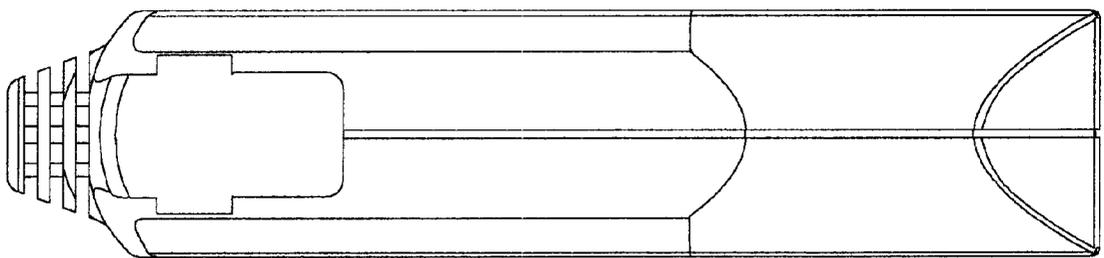


Fig. 5

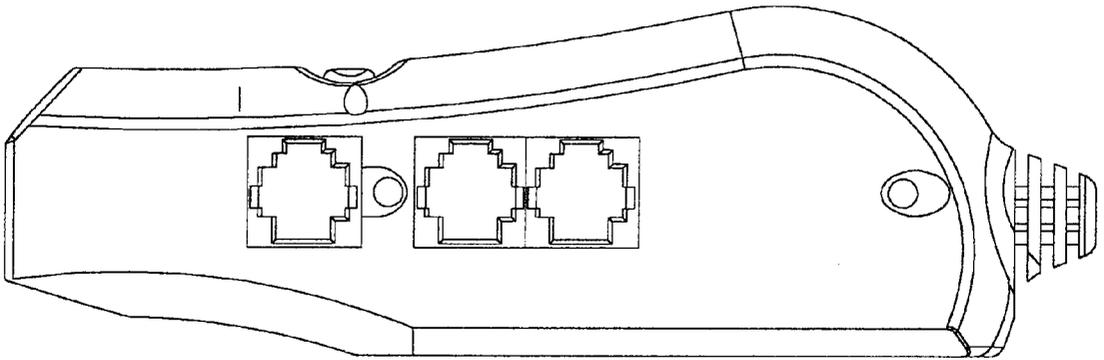


Fig. 6

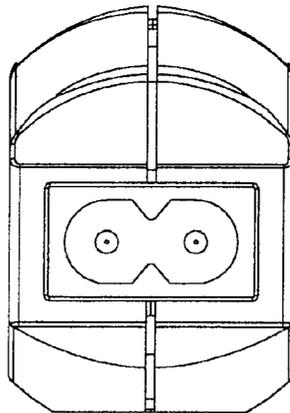


Fig. 7