



US005524852A

United States Patent [19]

[11] Patent Number: **5,524,852**

Lock et al.

[45] Date of Patent: **Jun. 11, 1996**

[54] **NON-HAZARDOUS THIRD RAIL
ENERGIZING WARNING DEVICE**

4,736,197 4/1988 Buyat et al. 340/654
4,931,768 6/1990 Jincks et al. 246/473.3

[76] Inventors: **Robert Lock**, 33 Pearl Ave., Holtsville,
N.Y. 11742; **Thomas Dziomba**, 11
Mosby Dr., Lake Grove, N.Y. 11755

Primary Examiner—Mark T. Le
Attorney, Agent, or Firm—Michael I. Kroll

[21] Appl. No.: **259,193**

[22] Filed: **Jun. 13, 1994**

[57] ABSTRACT

[51] Int. Cl.⁶ **G08B 21/00**

[52] U.S. Cl. **246/1 C; 246/217; 246/473 R;**
340/660

A third rail warning device in which the third rail carries in use a dangerously high voltage. Connected to the third rail is a source of relatively safe voltage as a warning that the dangerously high voltage is about to be applied to the third rail. A time delay is employed to terminate the safe voltage and permit automatic connection of the dangerously high voltage, and an alarm is actuated when the safe voltage is being applied to the third rail.

[58] **Field of Search** 246/217, 473 R,
246/477, 478, 484, 488, 167 A, 1 C; 324/555,
556; 340/309.15, 309.6, 653, 654, 815.4,
815.43, 815.65, 384.1, 384.4, 654, 660,
649, 628, 657

[56] References Cited

U.S. PATENT DOCUMENTS

3,727,559 4/1973 McCune et al. 246/132

1 Claim, 2 Drawing Sheets

