



US005222799A

United States Patent [19]
Sears et al.

[11] **Patent Number:** **5,222,799**
[45] **Date of Patent:** **Jun. 29, 1993**

[54] **STAIR LIGHTS**

[75] **Inventors:** **Lawrence A. Sears, Greeley; Gary Van Beek, North Gower, both of Canada**

[73] **Assignee:** **Diamond Stairlight Industries, Nepean, Canada**

[21] **Appl. No.:** **661,207**

[22] **Filed:** **Feb. 27, 1991**

[51] **Int. Cl.⁵** **F21S 1/02**

[52] **U.S. Cl.** **362/146; 362/246; 362/800**

[58] **Field of Search** **362/146, 226, 240, 251, 362/246, 361, 375, 800, 295**

[56] **References Cited****U.S. PATENT DOCUMENTS**

4,164,008	8/1979	Miller et al.	362/800 X
4,173,035	10/1979	Hoyt	362/812 X
4,439,818	3/1984	Scheib	362/250
4,612,606	9/1986	Roberts	362/146
4,884,178	11/1989	Roberts	362/241
4,947,291	8/1990	McDermott	362/295 X
5,038,255	8/1991	Nishihashi et al.	362/240 X

FOREIGN PATENT DOCUMENTS

598868	5/1960	Canada
2045415	10/1980	United Kingdom
2099036	12/1982	United Kingdom
2208425	3/1989	United Kingdom

Primary Examiner—Stephen F. Husar
Attorney, Agent, or Firm—Vorys, Sater, Seymoure & Pease

[57] **ABSTRACT**

A lighting strip for illuminating domestic stairways at the stair riser and stair tread that is both safe and relatively inexpensive. The device provides a lighting strip for supplying low level lighting in staircases or the like having, a means for providing a low level regulated voltage output from an ac voltage supply, a plurality of light means, a housing means for receiving and holding the light means, and the housing means is adapted to be installed under the juncture of a stair riser and stair tread, and connector means connects the light means to the low level voltage output.

10 Claims, 4 Drawing Sheets

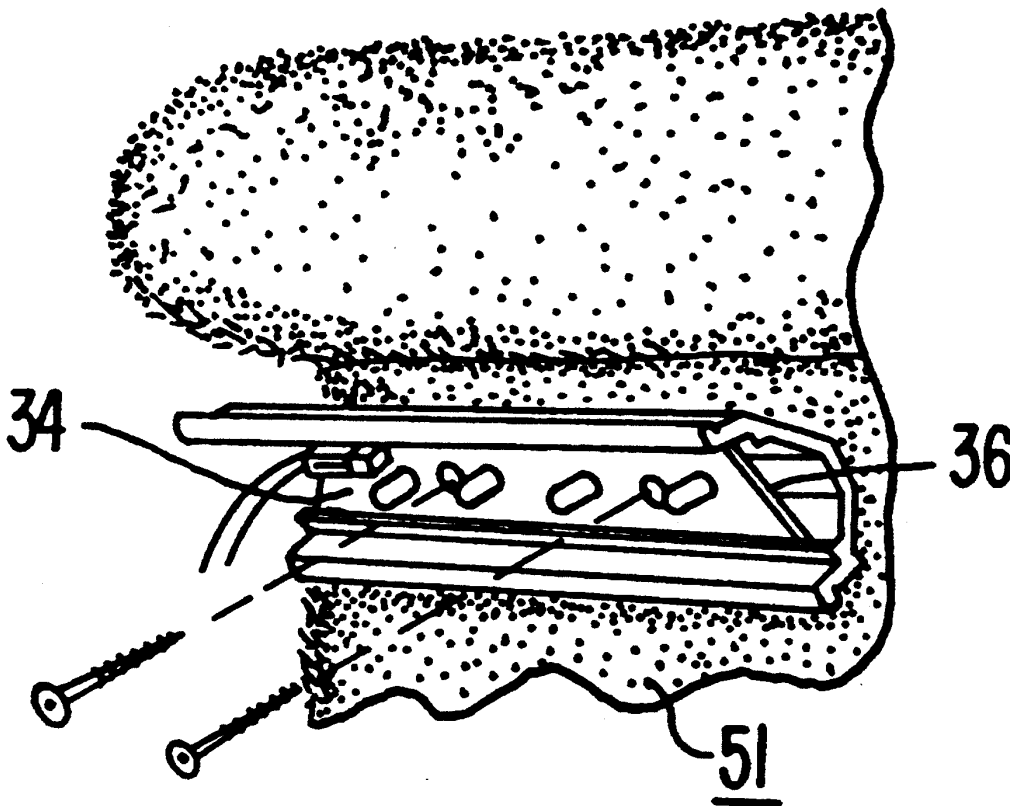
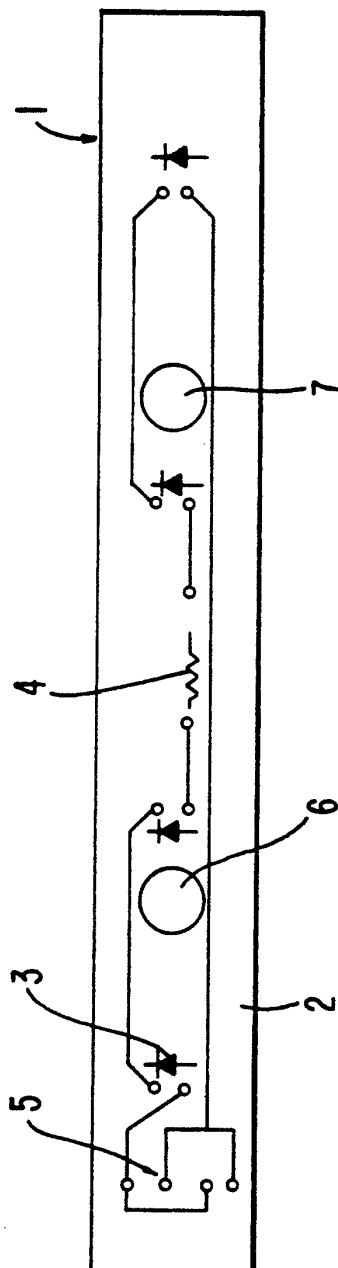
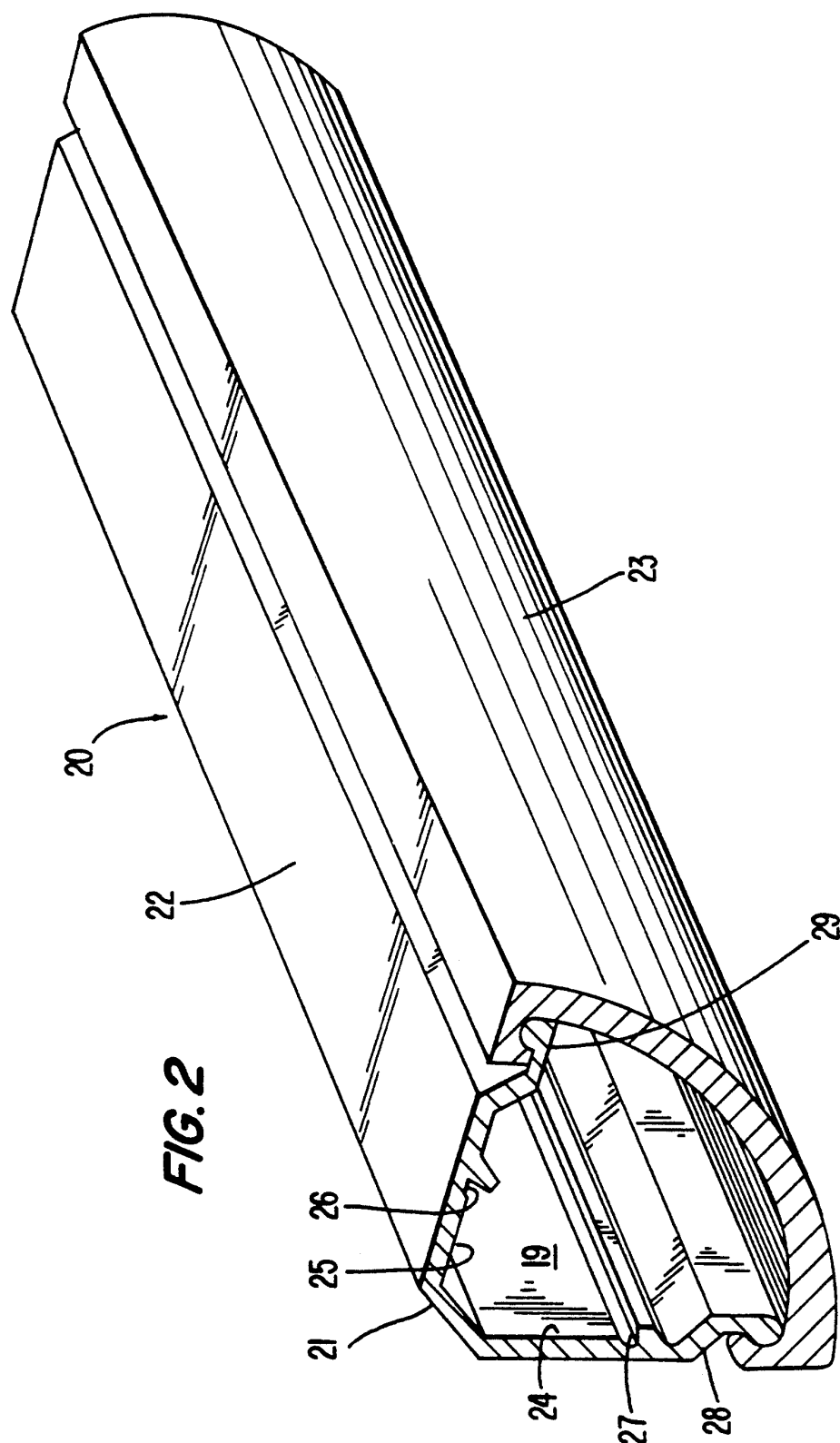
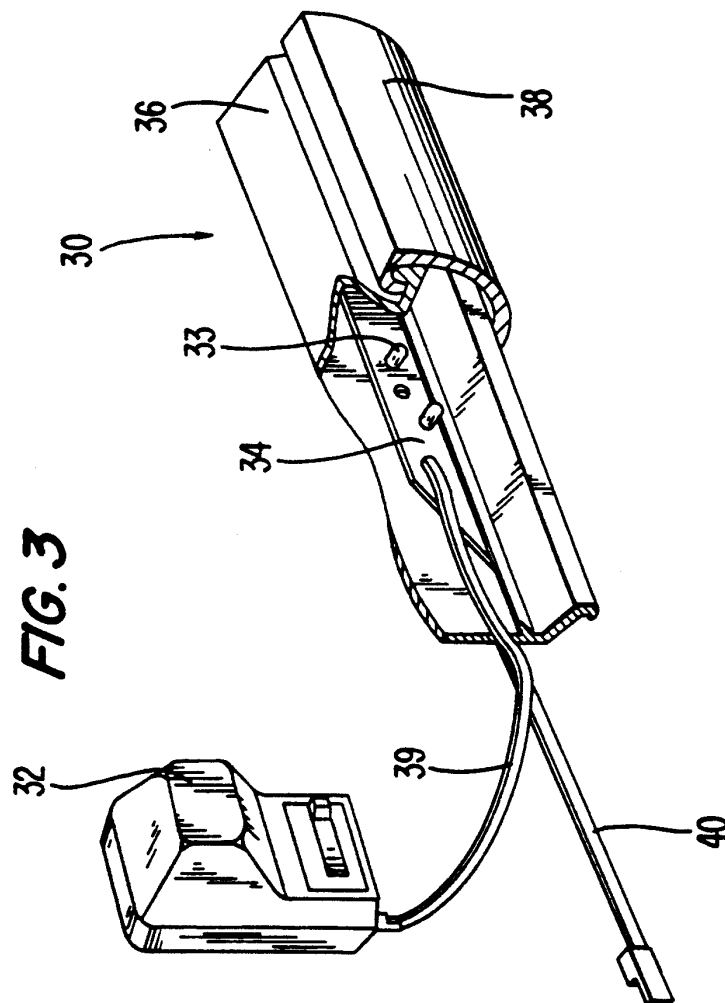


FIG. 1







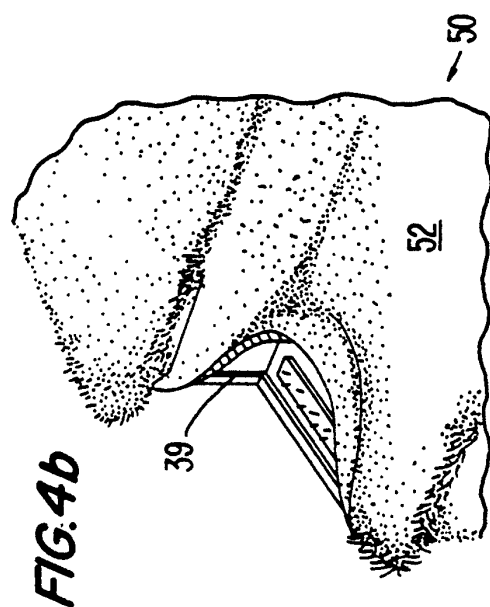


FIG. 4d

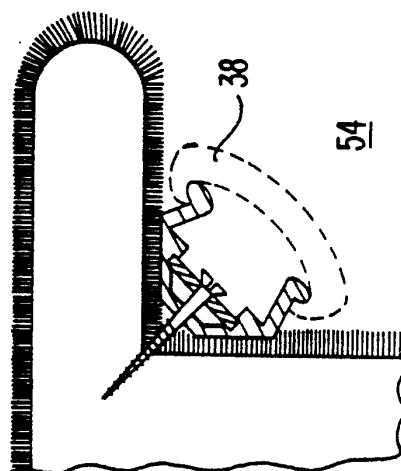


FIG. 4a

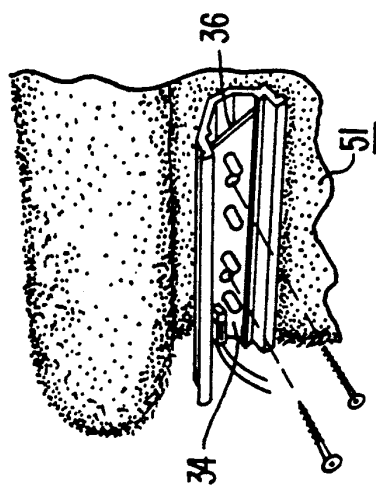
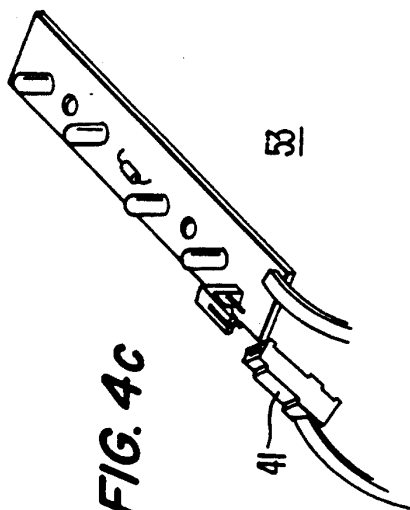


FIG. 4c



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.