

## US006155696A

## United States Patent [19]

#### Winton et al.

#### 6,155,696 [11] **Patent Number:**

#### **Date of Patent:** \*Dec. 5, 2000 [45]

[54] LIGHTING ASSEMBLY RAISED AND LOWERED ALONG POLE	5,274,534 5,278,742		Armstrong Garrett
[75] Inventors: <b>Timothy G. Winton</b> , deceased, late of Westerville, by Brenda B. Winton, administrator; <b>Dennis R. Blansit</b> , St. Louisville; <b>Robert A. Catone</b> ; <b>Charles</b>	5,551,199 5,623,786 6,026,626	4/1997 2/2000	DeMeyer

M. Hohman, both of Granville, all of Ohio

[73] Assignee: NSI Enterprises, Inc., Newark, Ohio

[\*] Notice: This patent issued on a continued prosecution application filed under 37 CFR

> 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C.

154(a)(2).

[21] Appl. No.: <b>09/081,755</b>	[21]	Appl.	No.:	09/081,755
-----------------------------------	------	-------	------	------------

[22]	Filed:	May 20,	1998
------	--------	---------	------

[51]	Int. Cl. <sup>7</sup>	 F21V 21/14
	** ** ***	 

362/403; 362/410; 362/431

362/410, 414, 431, 285, 286, 384, 391, 401, 403

#### [56] References Cited

#### U.S. PATENT DOCUMENTS

3,696,241	10/1972	Meyer et al
4,512,117	4/1985	Lange 52/6
4,851,980	7/1989	McWilliams et al
4,862,336	8/1989	Richardson et al 362/285
5,205,101	4/1993	Swan et al 522/650.1

5,237,792	8/1993	Oberman et al	52/645
5,274,534	12/1993	Armstrong	362/249
		Garrett	
5,551,199	9/1996	Hayes et al	52/648.1
5,623,786	4/1997	DeMeyer	52/6
6,026,626	2/2000	Fisher	52/633

## FOREIGN PATENT DOCUMENTS

996085	8/1976	Canada
1448181	6/1966	France
197805	4/1978	France
WO 90/04133	4/1990	WIPO 362/249

#### OTHER PUBLICATIONS

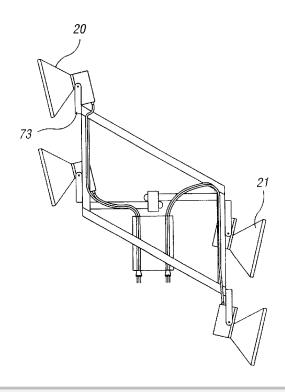
Sportstar, GE Lighting Systems, Inc., Advertisement, Lighting Design + Application, Sports Lighting, Jan., 1998.

Primary Examiner—Cassandra Spyrou Assistant Examiner—John Juba, Jr.

#### [57] **ABSTRACT**

A lighting system is adapted to receive lighting fixtures and is capable of being raised and lowered along the length of an attendant pole which has a longitudinal axis is moved by a transport mechanism having a plurality of cables which extend from the lighting system to the base of the attendant pole. The lighting system includes at least one support member is which is co-axially aligned with the longitudinal axis of the pole. Further included is a pair of transverse members which are oriented substantially parallel to each other and are attached by a plurality of cross-members extending therebetween. Each of the pair of transverse members is disposed on opposite sides of the at least one support member.

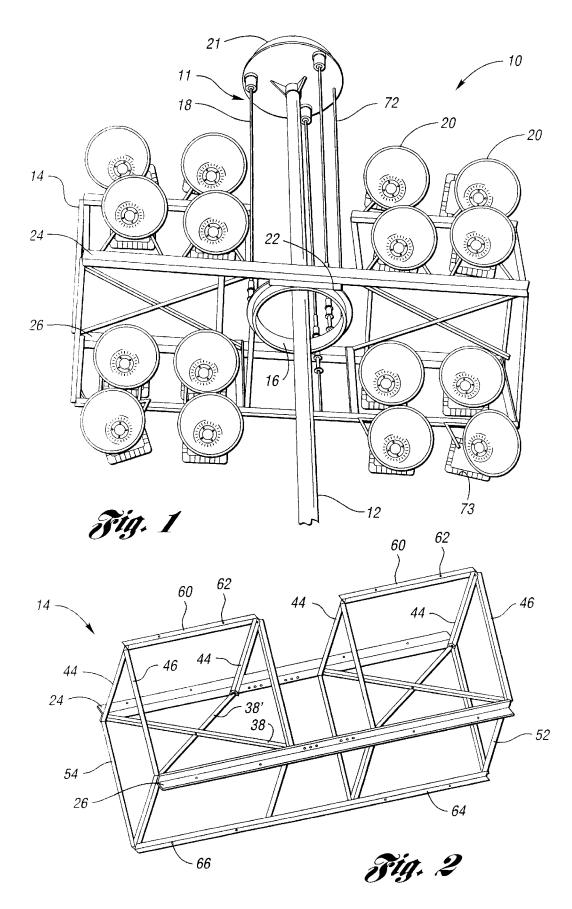
#### 7 Claims, 6 Drawing Sheets

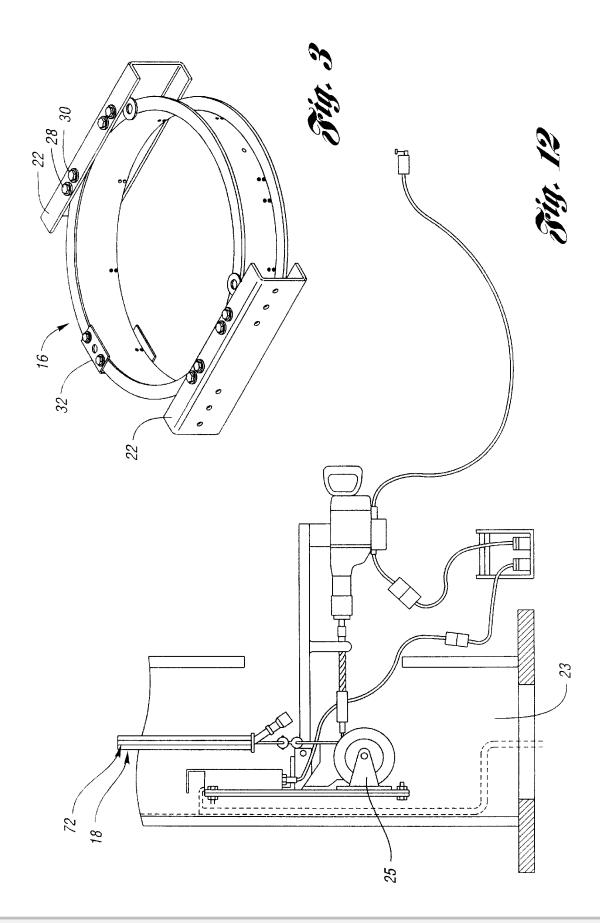




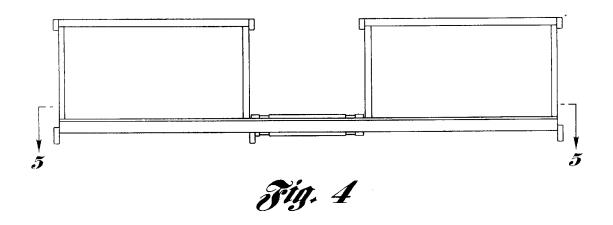
Dec. 5, 2000

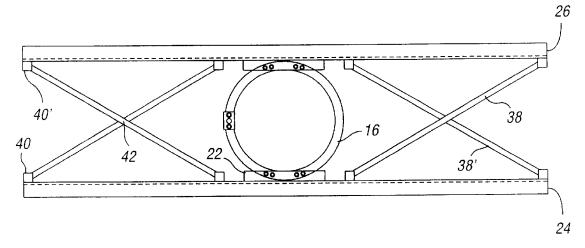




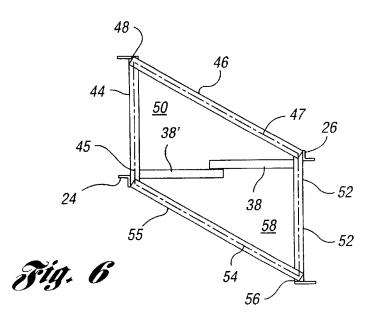


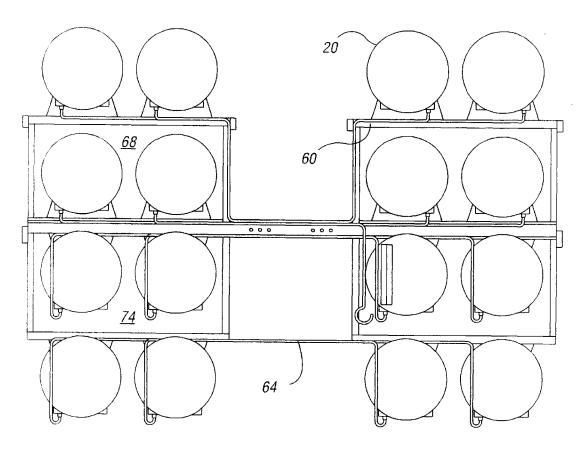












Dec. 5, 2000



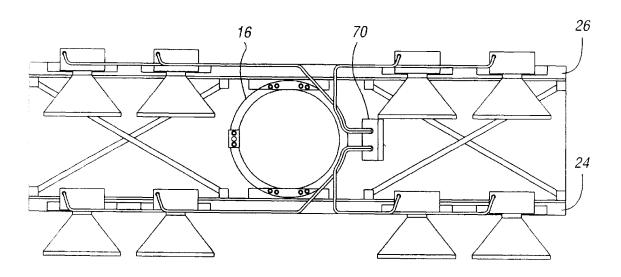


Fig. 8

# DOCKET A L A R M

# 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.

