



US005118985A

United States Patent [19]

[11] Patent Number: **5,118,985**

Patton et al.

[45] Date of Patent: **Jun. 2, 1992**

[54] **FLUORESCENT INCANDESCENT LAMP**

4,097,776	6/1978	Allinikov	313/502
4,645,290	2/1987	Walsh	313/112 X
4,727,283	2/1988	Van Kemenade et al.	313/487

[75] Inventors: **Robert J. Patton**, Acton; **Kailash C. Mishra**, Chelmsford; **Ernest A. Dale**, Hamilton; **Costas Lagos**, Danvers, all of Mass.

FOREIGN PATENT DOCUMENTS

0027334	4/1981	European Pat. Off.	313/112
0147677	11/1979	Japan	313/112

[73] Assignee: **GTE Products Corporation**, Danvers, Mass.

Primary Examiner—Donald J. Yusko
Assistant Examiner—Ashok Patel
Attorney, Agent, or Firm—Martha Ann Finnegan;
Robert E. Walter

[21] Appl. No.: **727,299**

[22] Filed: **Jul. 9, 1991**

Related U.S. Application Data

[63] Continuation of Ser. No. 458,923, Dec. 29, 1989, abandoned.

[51] Int. Cl.⁵ **H01K 1/32**

[52] U.S. Cl. **313/485; 313/487; 313/578; 313/315**

[58] Field of Search 313/25, 112, 113, 465, 313/483, 485, 502, 487, 161, 578, 491; 315/248, 109.3; 372/80; 346/110 R

[57] **ABSTRACT**

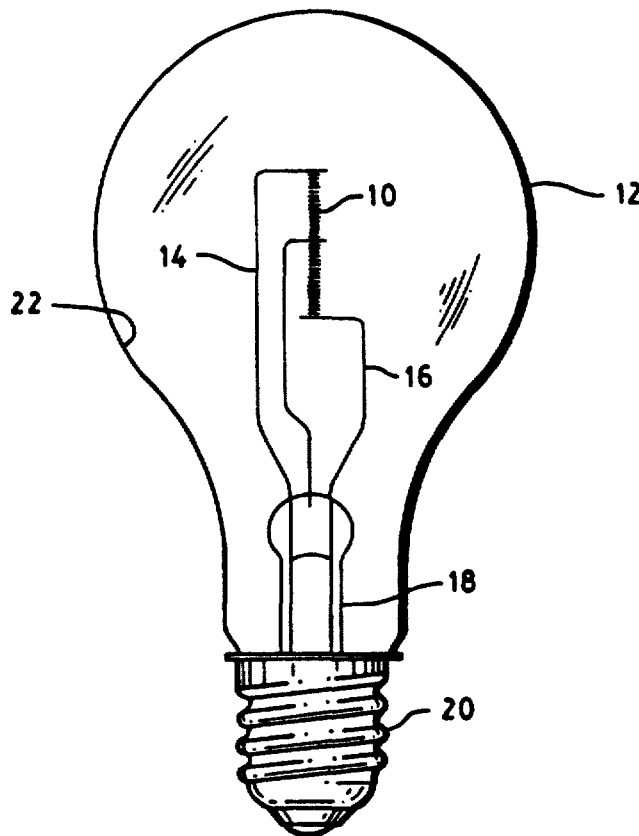
An incandescent lamp is provided with a phosphor coating on its lamp envelope. The phosphor coating alters the spectral distribution of radiation emitted by the lamp and acts as a diffuser. In one embodiment, the phosphor coating absorbs radiation at wavelengths below 500 nanometers and emits radiation at wavelengths above 500 nanometers to provide an improved bugfoiler lamp. In another embodiment, the phosphor coating absorbs radiation in the ultraviolet, violet and blue wavelength range and emits radiation at longer wavelengths that more effectively stimulate the human eye.

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,405,261	8/1946	Levi et al.	313/112
2,759,119	8/1956	Thorington	313/578 X
3,947,719	3/1976	Ott	313/112 X

1 Claim, 4 Drawing Sheets



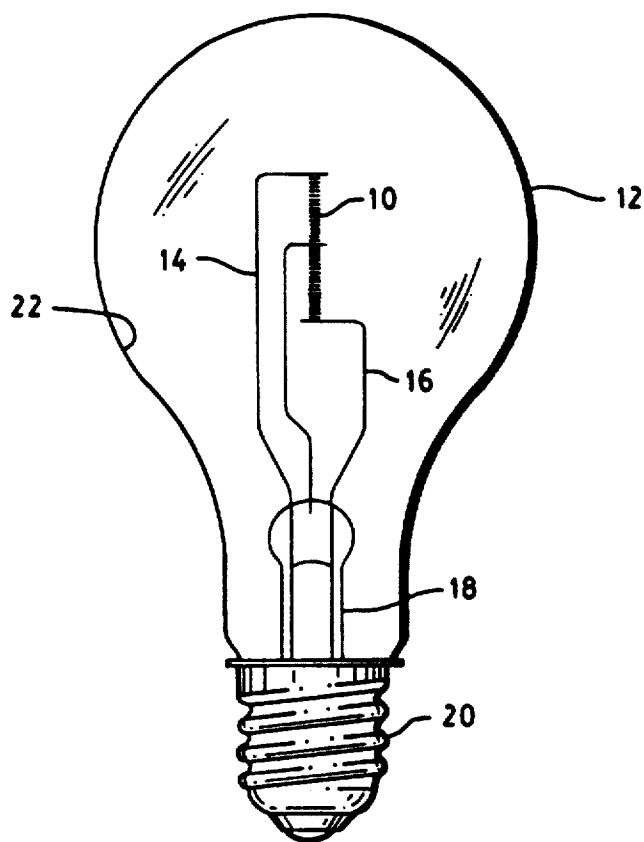


FIG. 1

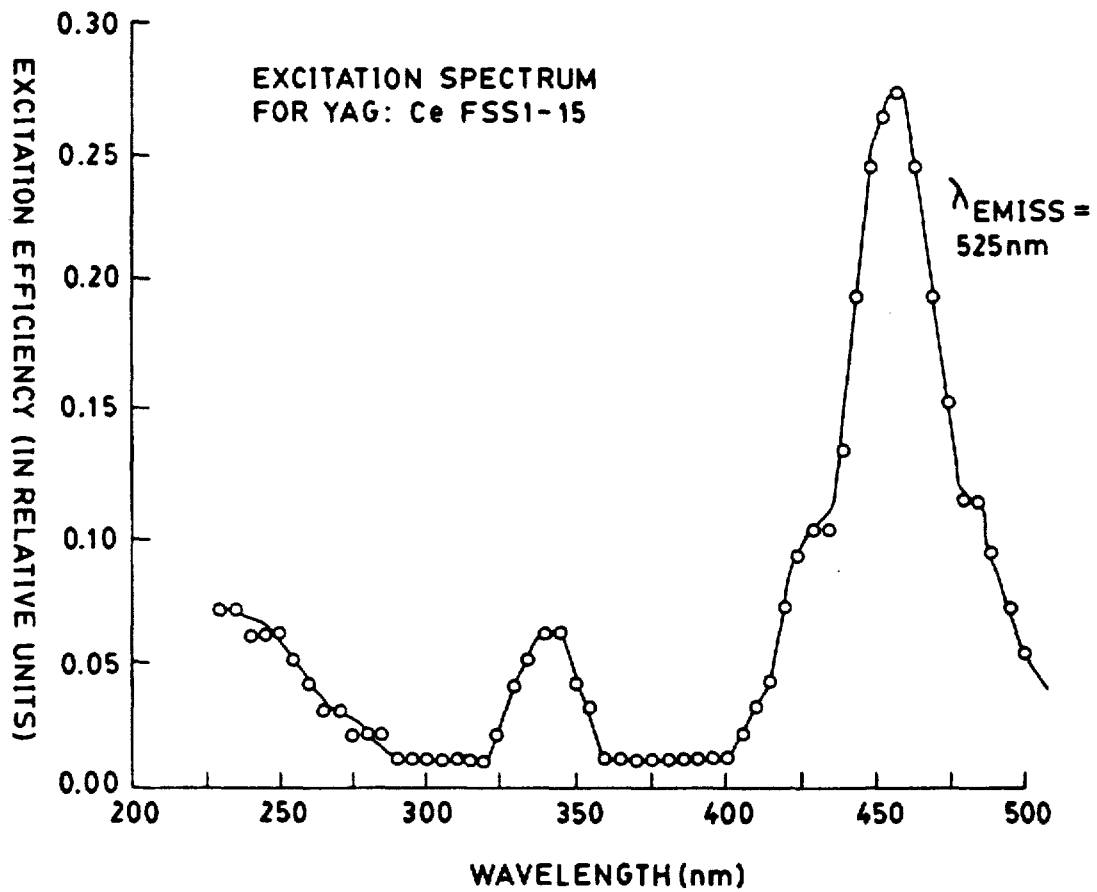


FIG. 2

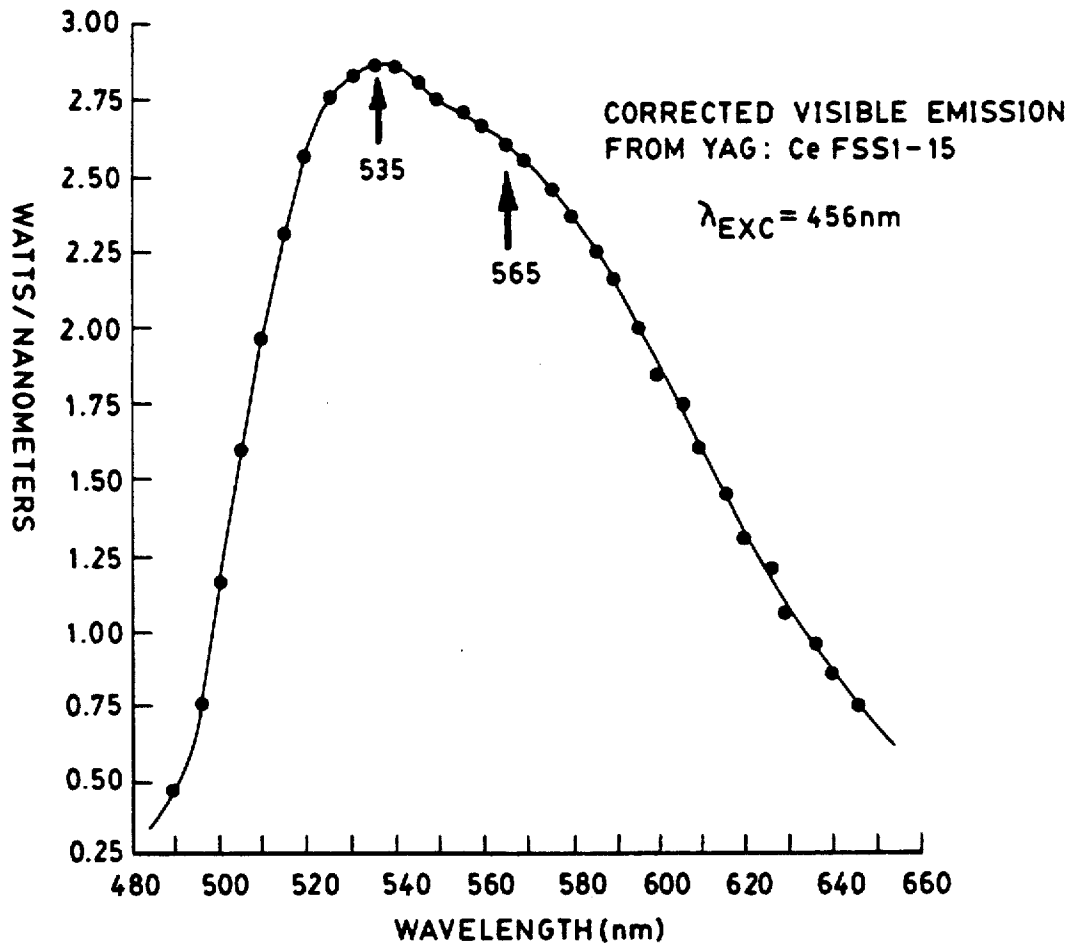


FIG. 3

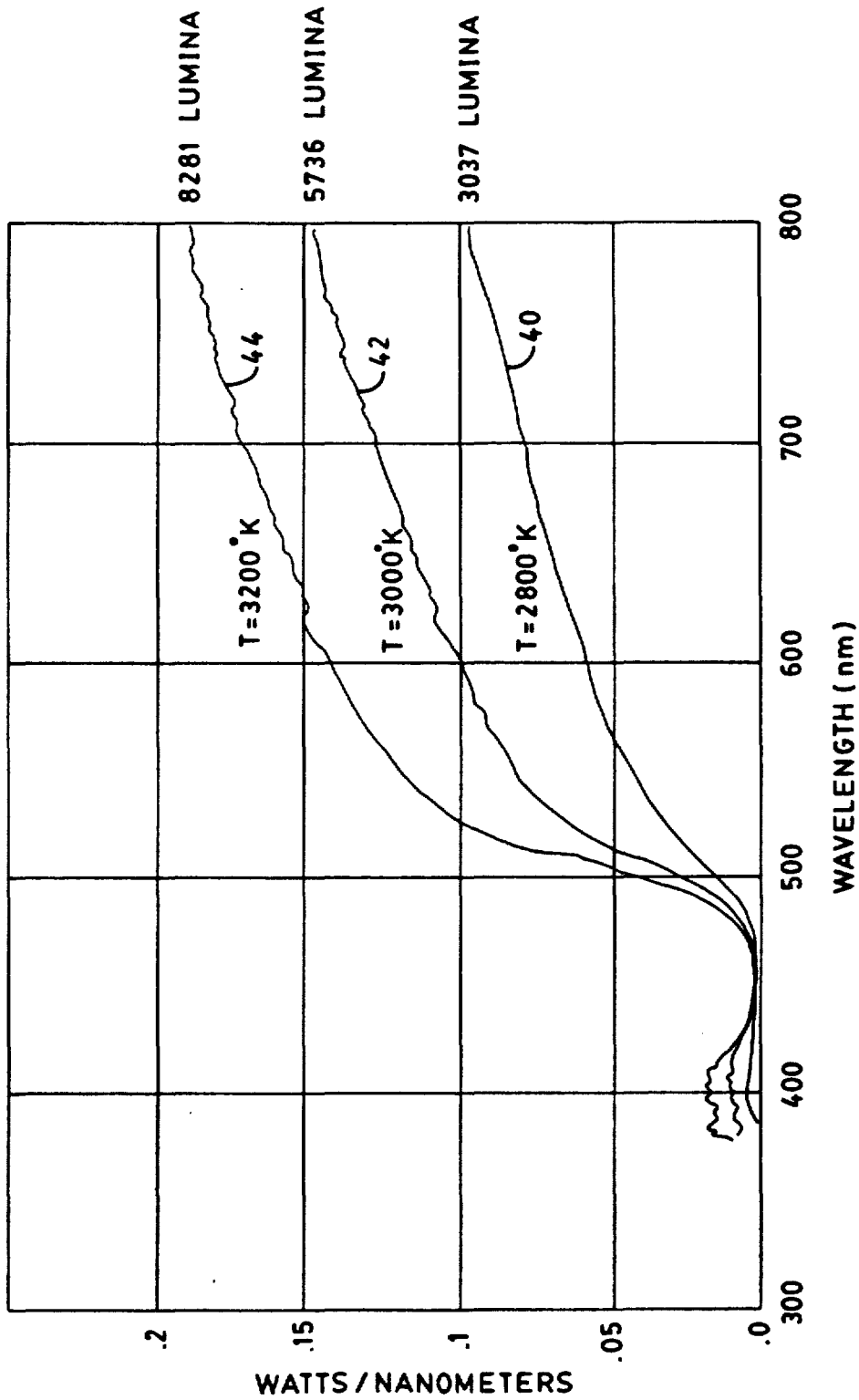


FIG. 4

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.