



# United States Patent [19]

[11] Patent Number: **6,151,059**

Schein et al.

[45] Date of Patent: **\*Nov. 21, 2000**

[54] **ELECTRONIC PROGRAM GUIDE WITH INTERACTIVE AREAS**

[75] Inventors: **Steven Michael Schein**, Menlo Park; **Jim Leftwich**, Palo Alto; **David M. Folker**, Fremont; **Keith Hunwick**, Mountain View, all of Calif.

[73] Assignee: **StarSight Telecast, Inc.**, Fremont, Calif.

[\*] 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.: **08/906,073**

[22] Filed: **Aug. 5, 1997**

### Related U.S. Application Data

[60] Provisional application No. 60/022,436, Aug. 6, 1996.

[51] Int. Cl.<sup>7</sup> ..... **H04N 7/14**

[52] U.S. Cl. .... **348/13**; 348/906; 348/563; 345/327

[58] Field of Search ..... 348/13, 563, 564, 348/565, 569, 906; 455/2, 6.2, 6.3, 6.1, 5.1, 4.2; 345/327

### [56] References Cited

#### U.S. PATENT DOCUMENTS

5,157,768	10/1992	Hoeber et al.	348/601
5,436,676	7/1995	Pint et al.	348/734
5,532,754	7/1996	Young et al.	348/569
5,559,550	9/1996	Mankovitz	348/6

5,585,866	12/1996	Miller et al.	348/731
5,589,892	12/1996	Knee et al.	348/731
5,604,544	2/1997	Bertram	348/601
5,617,526	4/1997	Oran et al.	395/326
5,621,456	4/1997	Florin et al.	348/7
5,754,176	5/1998	Crawford	345/338
5,781,246	7/1998	Alten et al.	348/569
5,822,123	10/1998	Davis et al.	348/564
5,940,073	8/1999	Klosterman et al.	345/327

### FOREIGN PATENT DOCUMENTS

PCT/US94/06941 6/1994 WIPO ..... H04N 7/16

### OTHER PUBLICATIONS

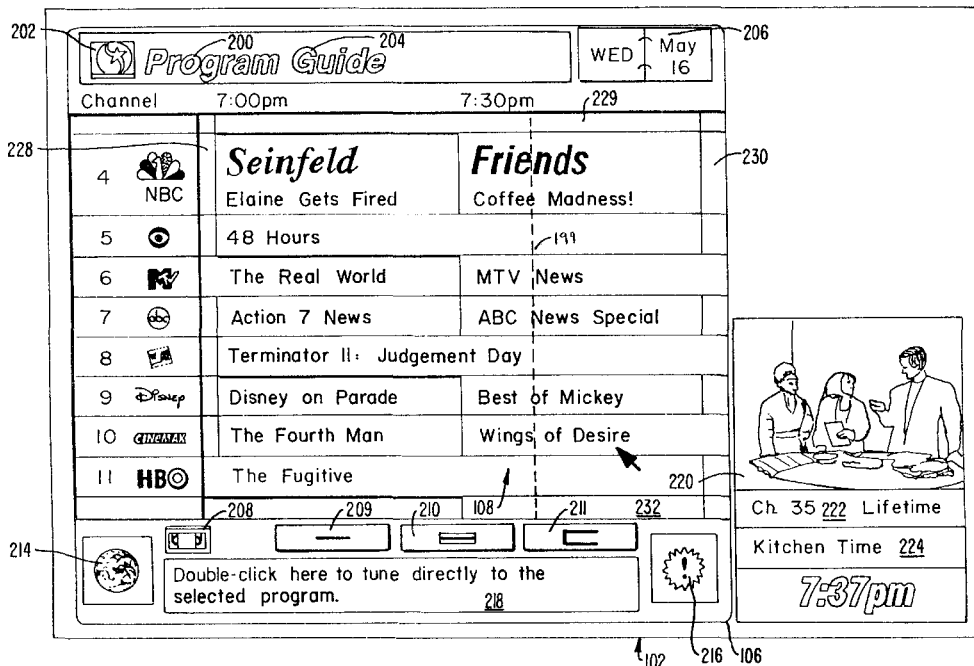
International Preliminary Examination Report dated Oct. 15, 1998 from the corresponding PCT application (PCT/US97/13751).

Primary Examiner—Thomas G. Black  
Assistant Examiner—Uyen Le  
Attorney, Agent, or Firm—Christie, Parker & Hale, LLP

### [57] ABSTRACT

A television schedule system and method for displaying television schedule information on a television screen includes a program guide having a schedule information area that depicts the programs that are being presented on each channel at each time during the day. An input device allows the viewer to move a pointer over different interactive areas of the guide and the function performed when the area is activated is displayed in a contextual help window. Various control glyphs provide for recursive interaction with the guide. Additionally, a video window is interactive and provides tuning functions.

**24 Claims, 36 Drawing Sheets**



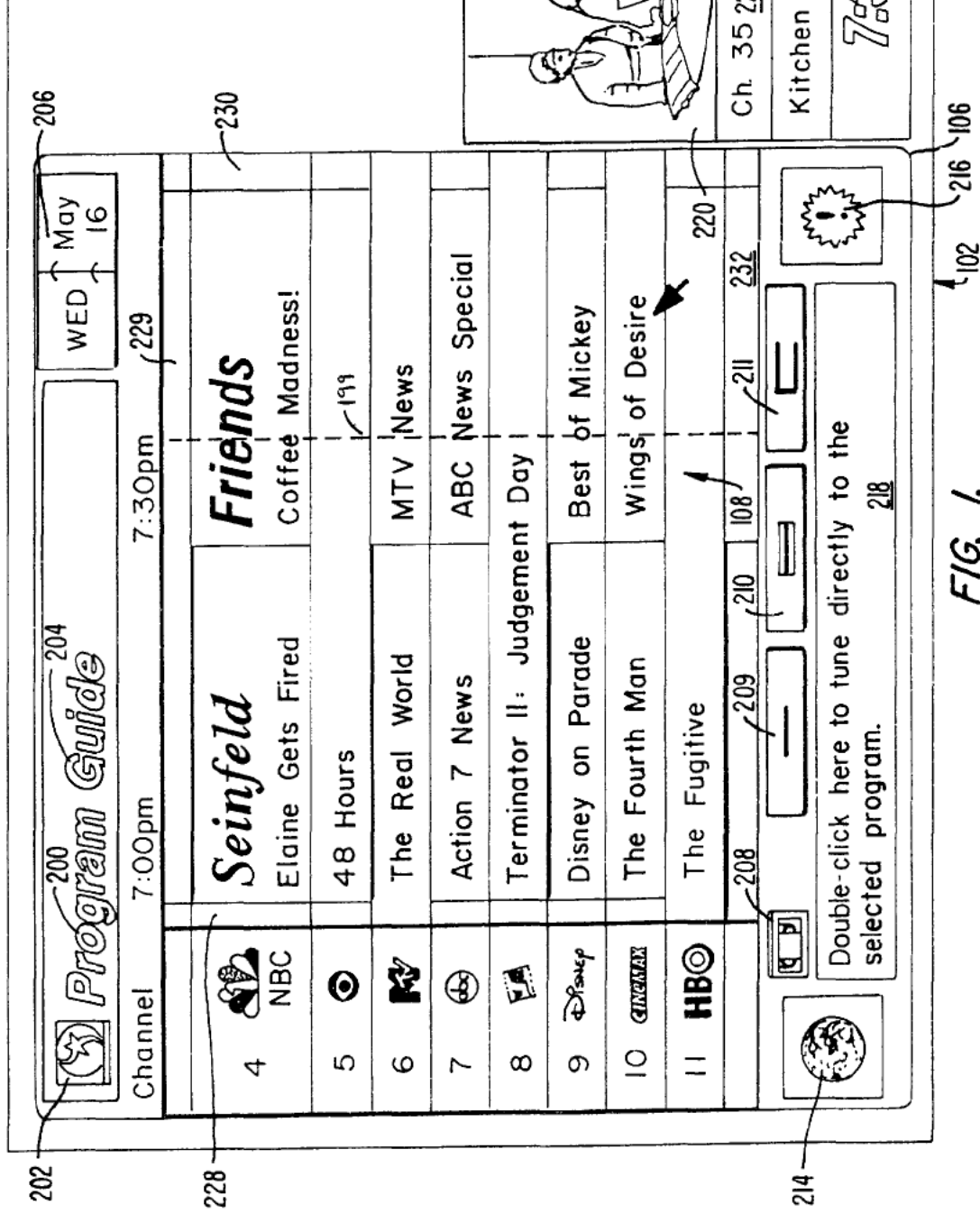


FIG. 1.

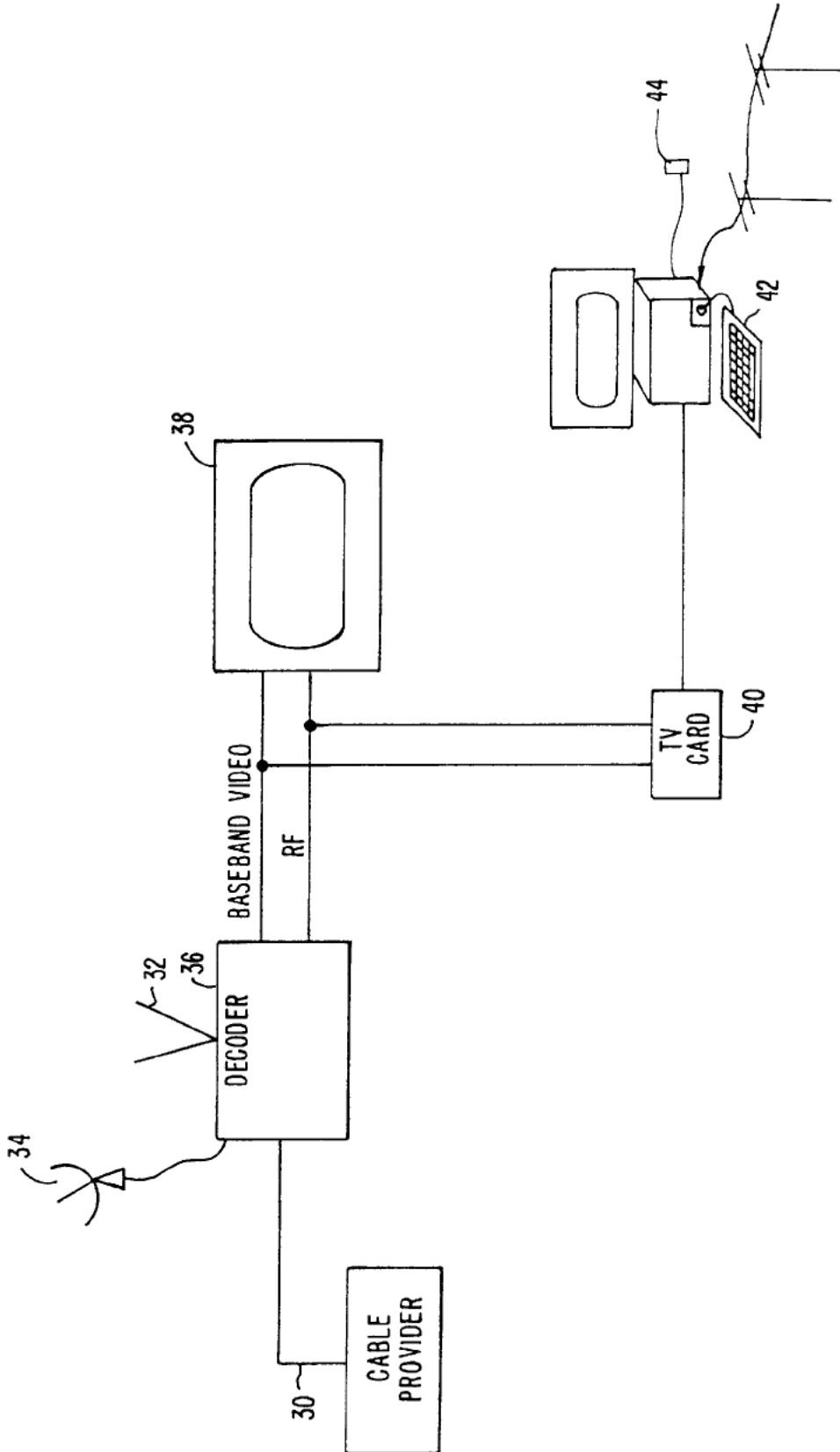


FIG. 2.



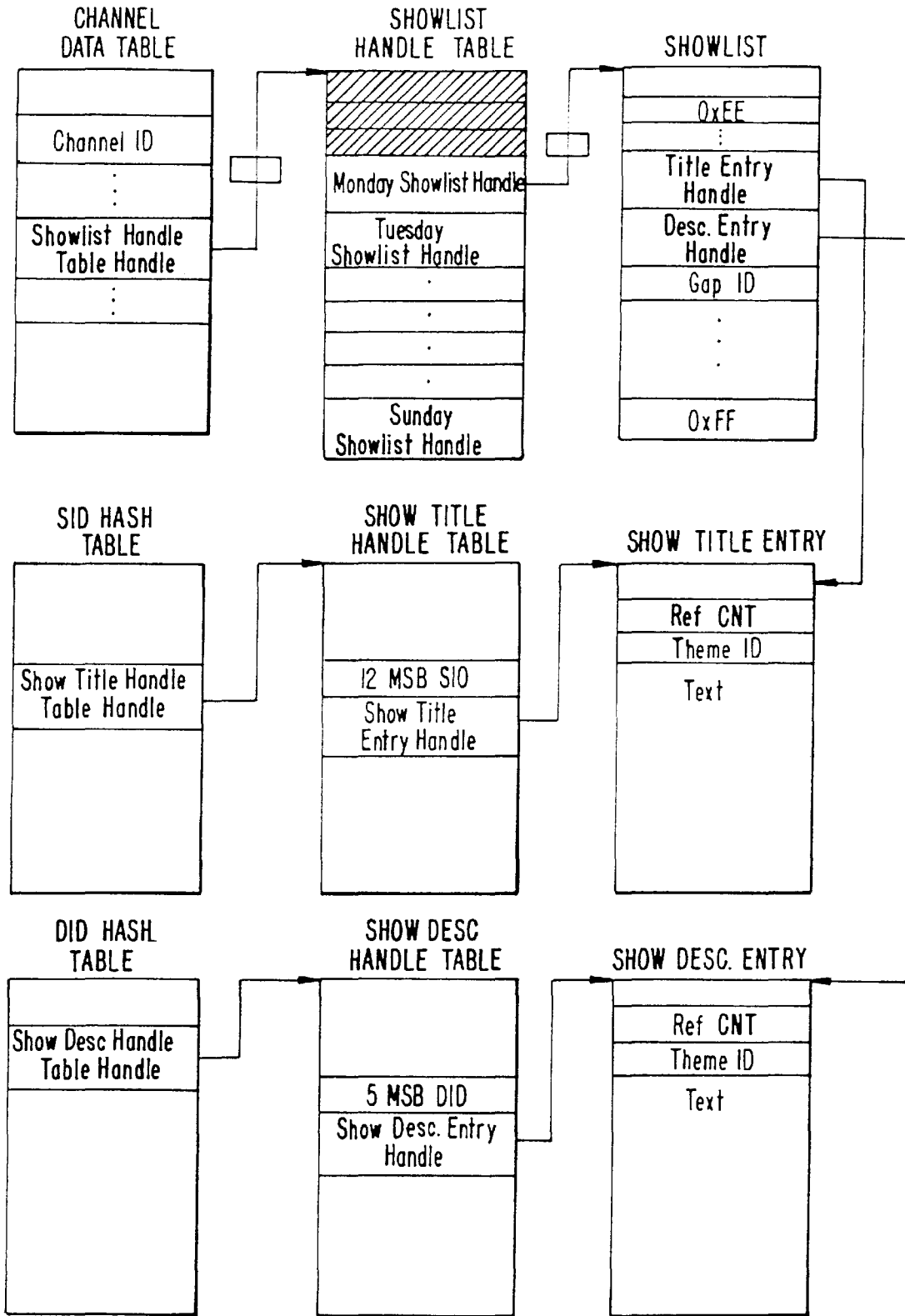


FIG. 4.

# 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.