

US005818441A

United States Patent [19]

Throckmorton et al.

[11] Patent Number:

5,818,441

[45] Date of Patent:

Oct. 6, 1998

[54]	SYSTEM AND METHOD FOR SIMULATING
	TWO-WAY CONNECTIVITY FOR ONE WAY
	DATA STREAMS

[75] Inventors: John A. Throckmorton, Lake Oswego; Edward R. Harrison; Burt Perry, both of Beaverton, all of Oreg.

[73] Assignee: Intel Corporation, Santa Clara, Calif.

[21] Appl. No.: 490,822

[22] Filed: Jun. 15, 1995

[56] References Cited

U.S. PATENT DOCUMENTS

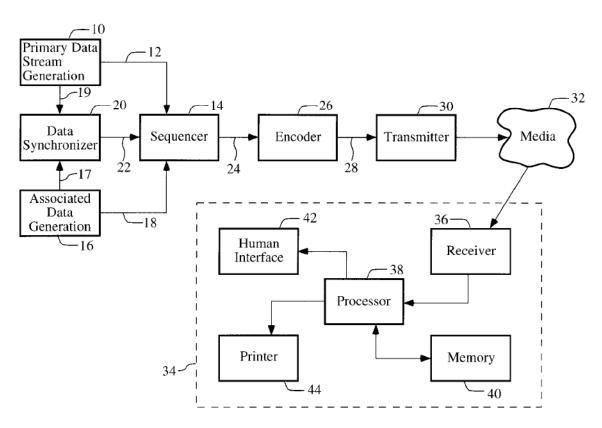
5,347,304	9/1994	Moura et al	348/12
5,499,046	3/1996	Schiller et al	348/12
5,513,180	4/1996	Miyake et al	348/7
		Lightfoot et al	
5,594,491	1/1997	Hodge	348/7

Primary Examiner—Victor R. Kostak Attorney, Agent, or Firm—Blakely, Sokoloff, Taylor & Zafman

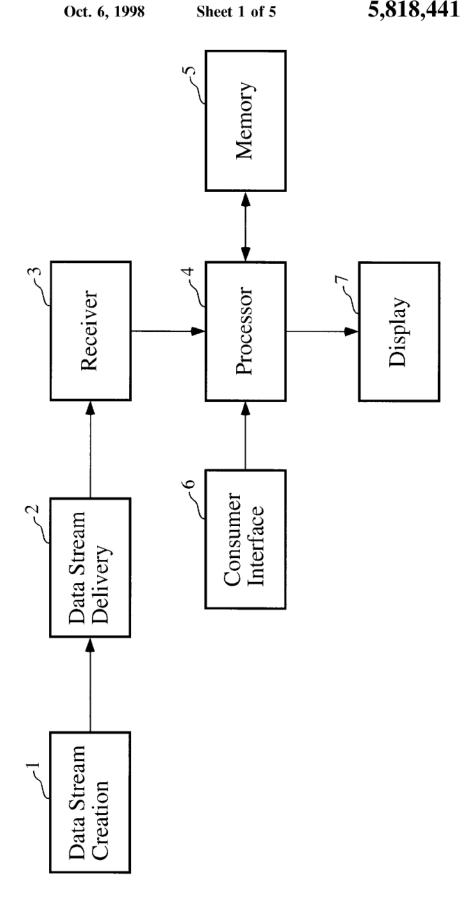
[57] ABSTRACT

A system supplying information associated with a broadcast television program to a consumer such that said consumer perceives the associated data as the result of two way interactivity with external sources of data such as online services or the Internet. The system includes equipment for inserting the associated data into the vertical blanking interval of the television signal on the supplier side of the system. On the receiving side, the system includes a personal computer capable of receiving the television program and storing the associated data locally. The consumer may then interact with the stored associated data in an apparently two way interactive manner. Additional interactivity may be achieved by adding an actual two way communication channel to the personal computer so that online services or the Internet may be accessed. This two way communication channel is made particularly effective if the associated data contains pointers to locations in the online services or the Internet which are particularly relevant to the television program.

42 Claims, 5 Drawing Sheets

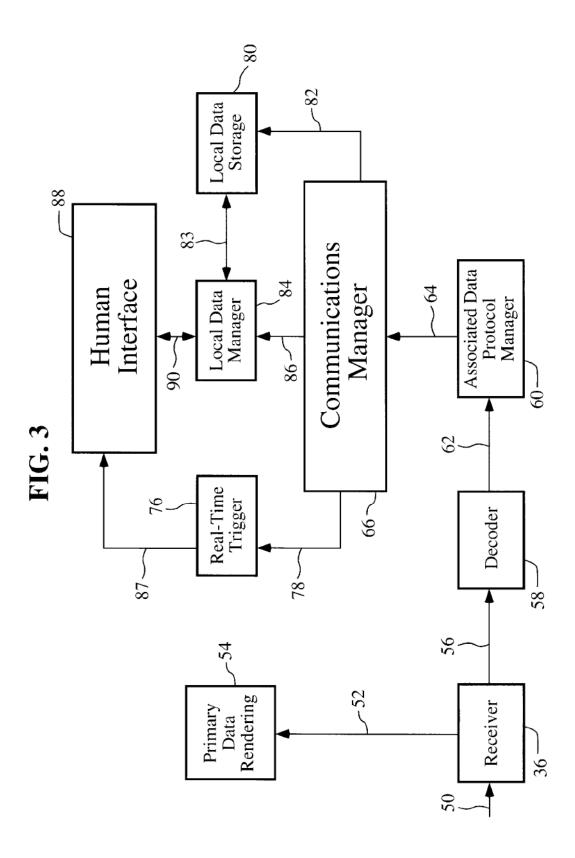


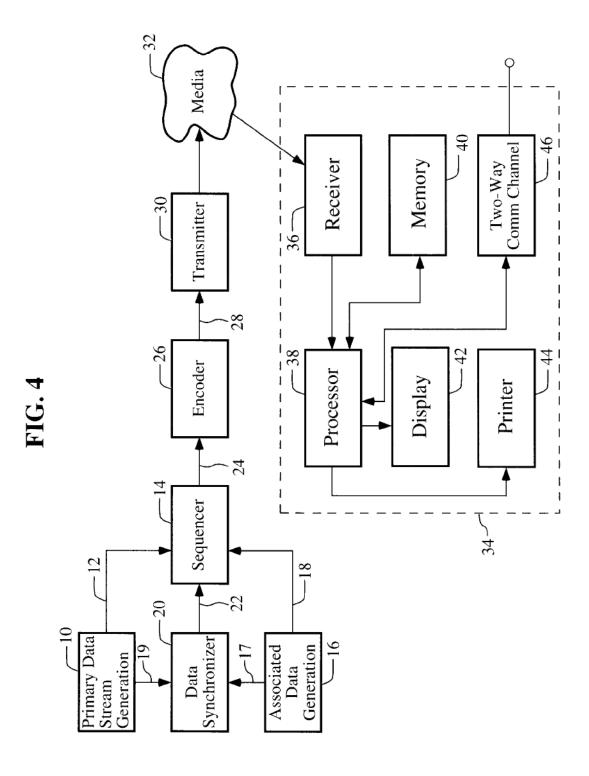




Media Receiver Memory Transmitter Processor 58, Encoder 42 Human Interface Printer , 42 Sequencer 34 5, .20 Data Synchronizer Primary Data Associated Data Generation Generation Stream









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.

