

## US005305017A

## United States Patent [19]

## Gerpheide

#### 5,305,017 Patent Number: Date of Patent: Apr. 19, 1994 [45]

[54]	METHODS INPUT	S AND APPARATUS FOR DATA	
[76]	Inventor:	George E. Gerpheide, 3481 S. Monte Verde Dr., Salt Lake City, Utah 84109	
[21]	Appl. No.:	914,043	
[22]	Filed:	Jul. 13, 1992	
Related U.S. Application Data			
[63]		n of Ser. No. 754,329, Sep. 4, 1991, which ation of Ser. No. 394,566, Aug. 16, 1989.	
[51] [52] [58]	U.S. Cl Field of Sea		
[56]	References Cited		
U.S. PATENT DOCUMENTS			
	3,886,311 5/3 4,071,691 1/3 4,103,252 7/3		

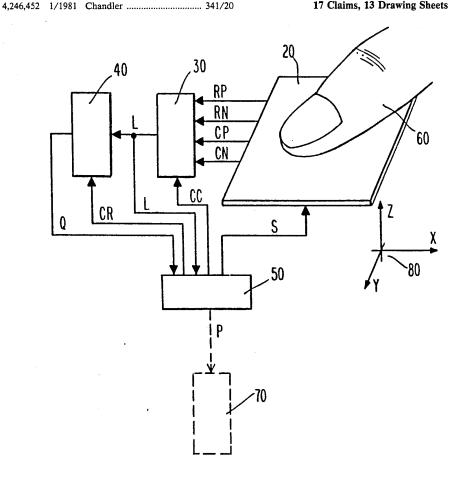
10/1984	Ng et al
1/1985	Smith 341/33
10/1985	Mabusth .
5/1986	Moore 178/18
1/1987	Rympalski et al
6/1987	Rodgers et al
7/1987	Yoshikawa .
4/1988	Matzke et al 340/709
4/1988	Brown 341/33
5/1988	Alexander 341/33
	1/1985 10/1985 5/1986 1/1987 6/1987 7/1987 4/1988 4/1988

Primary Examiner—Ulysses Weldon
Assistant Examiner—M. Fatahiyar
Attorney, Agent, or Firm—Thorpe North & Western

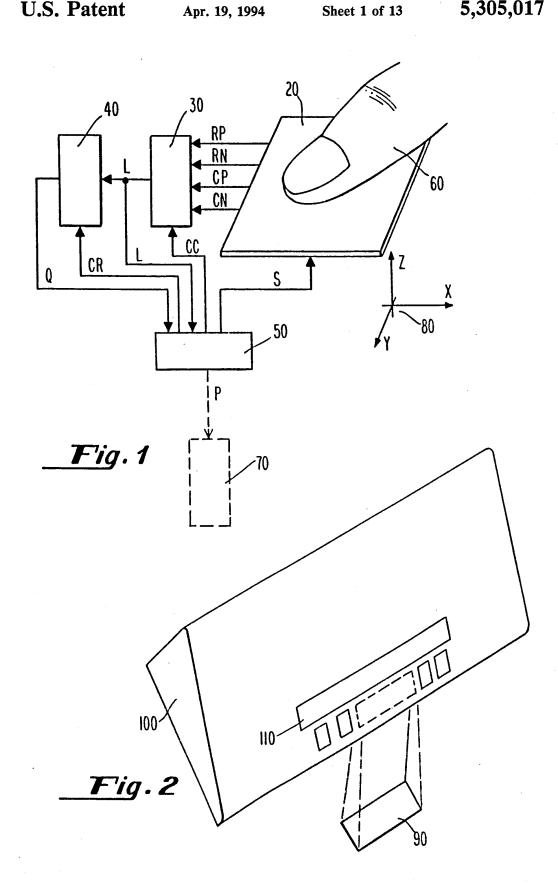
### **ABSTRACT**

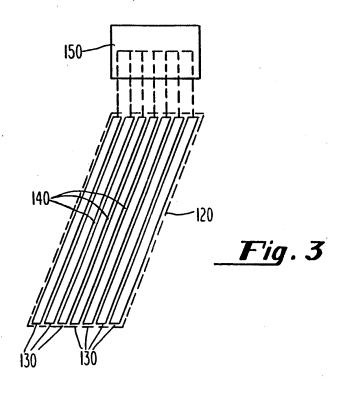
Methods and apparatus for data input. Devices are provided in accordance with this invention which utilize capacitive coupling of an object to the device to sense the object's position. The devices are comprised of a plurality of electrode strips which form virtual electrodes. The virtual electrodes are selectively connected to form virtual dipole electrodes which are responsive to the object's position.

### 17 Claims, 13 Drawing Sheets

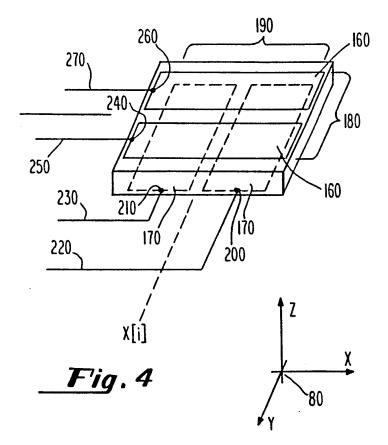




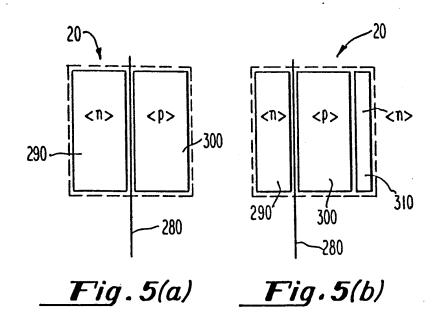


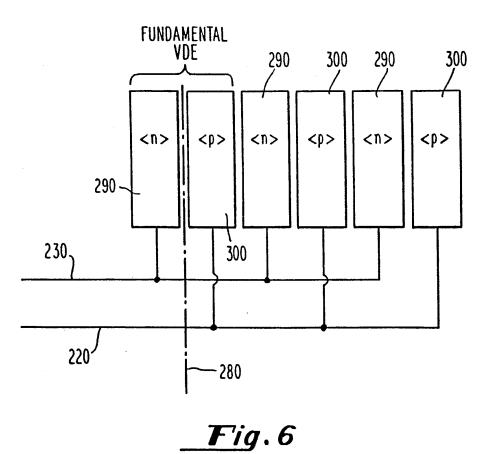


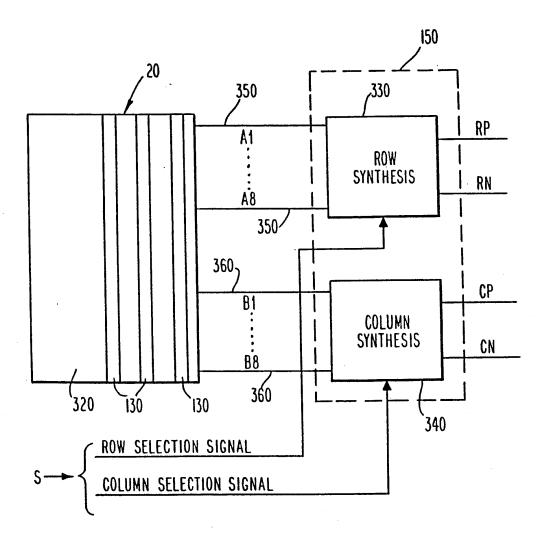
Apr. 19, 1994











*Fig.* 7



# 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.

