



[54] **GAME CONTROLLER WITH ANALOG PRESSURE SENSOR(S)**

[76] Inventor: **Brad A. Armstrong**, P.O. Box 1419, Paradise, Calif. 95967

[21] Appl. No.: **08/942,450**

[22] Filed: **Oct. 1, 1997**

[51] Int. Cl.⁷ **G09G 5/00**

[52] U.S. Cl. **463/37**

[58] Field of Search 463/36, 37; 273/143 B; 345/156, 159

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,510,812	4/1996	O'Mara et al.	345/161
5,689,285	11/1997	Asher	345/161
5,764,219	6/1998	Rutledge et al.	345/159
5,999,084	12/1999	Armstrong	338/114

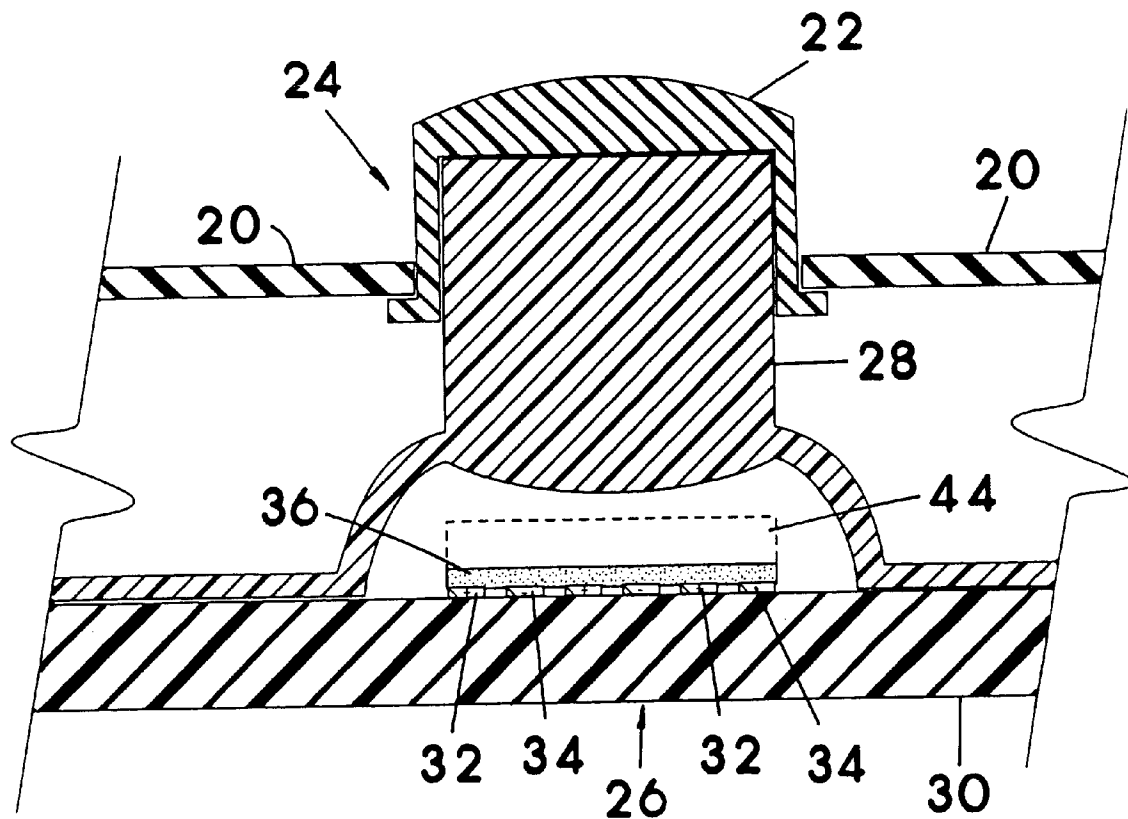
Primary Examiner—Valencia Martin-Wallace

Assistant Examiner—John Paradiso

[57] **ABSTRACT**

A game controller of the type held in two hands simultaneously for controlling electronic games, including a housing, a plurality of depressible surfaces at least in-part exposed on the housing with the depressible surfaces in operational association with electricity manipulating devices contained within the housing and controlled by depression of the depressible surfaces for manipulating electrical outputs at least useful for controlling electronic games. At least one of the electricity manipulating devices is a pressure-sensitive variable-conductance sensor for creating an analog electrical output proportional to varying physical pressure applied to at least one depressible surface. The analog electrical output is output as a signal at least representational of the analog electrical output to an image generation machine for controlling electronic imagery. Also disclosed are methods of use and manufacture of game controllers having at least one pressure-sensitive analog sensor.

19 Claims, 8 Drawing Sheets



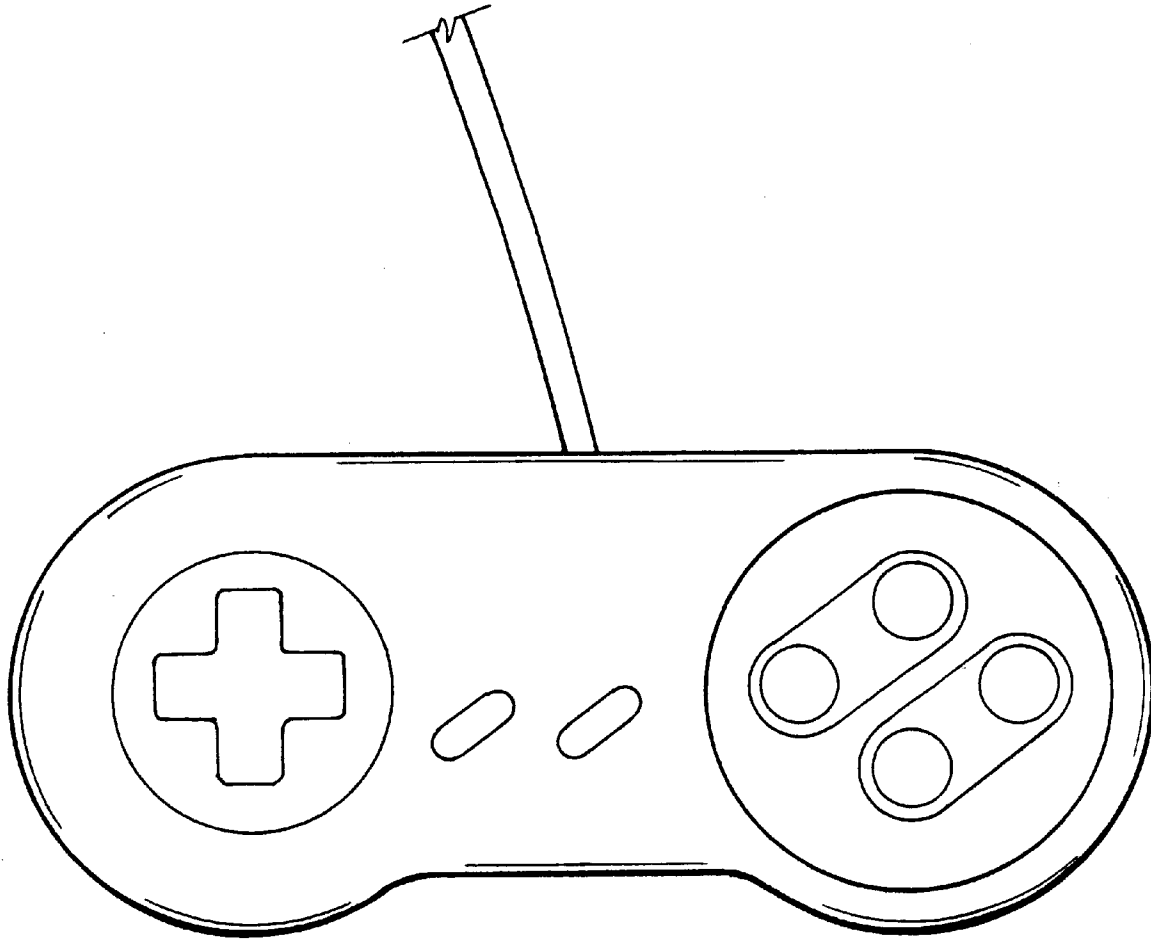


FIG. 1

PRIOR ART

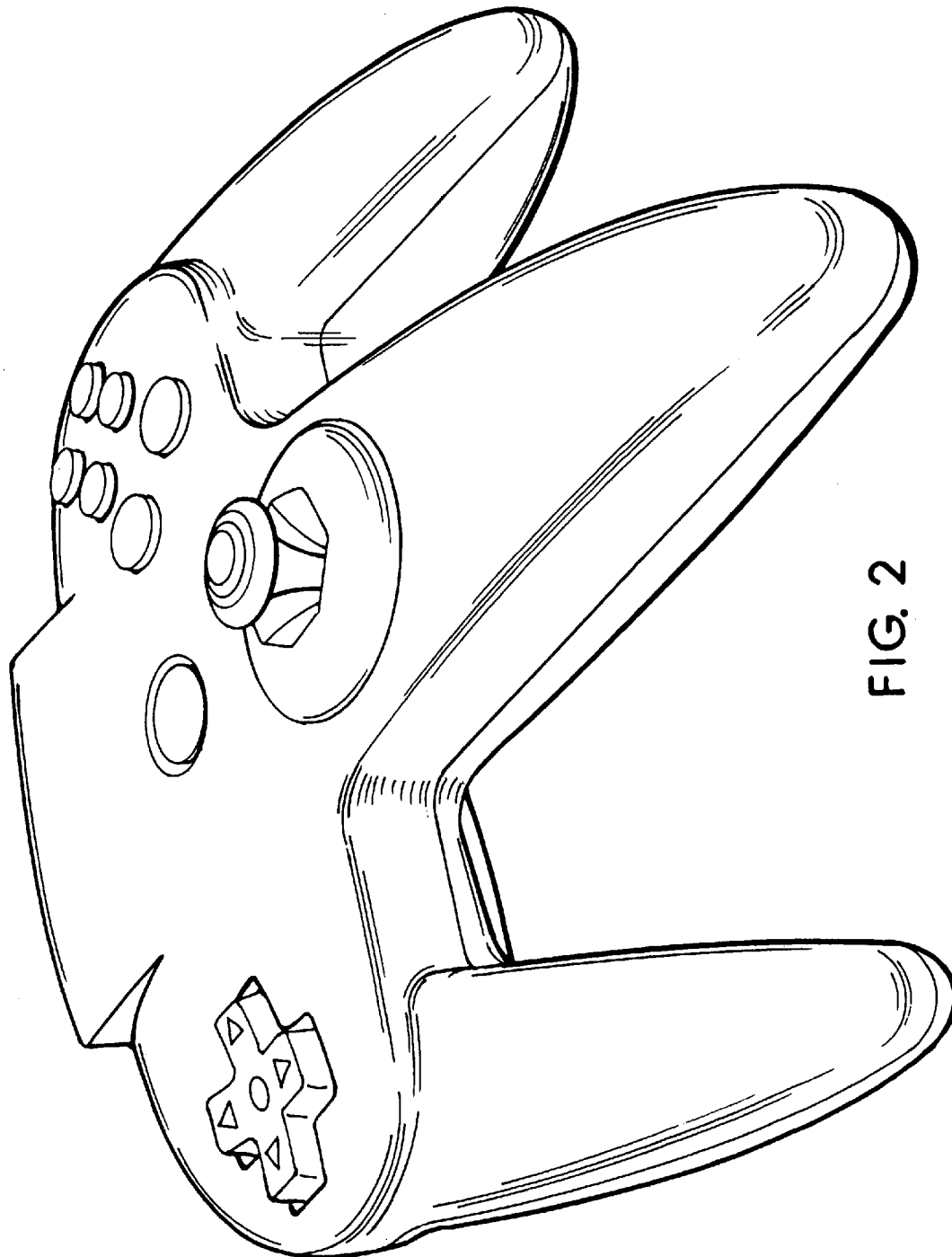


FIG. 2

PRIOR ART

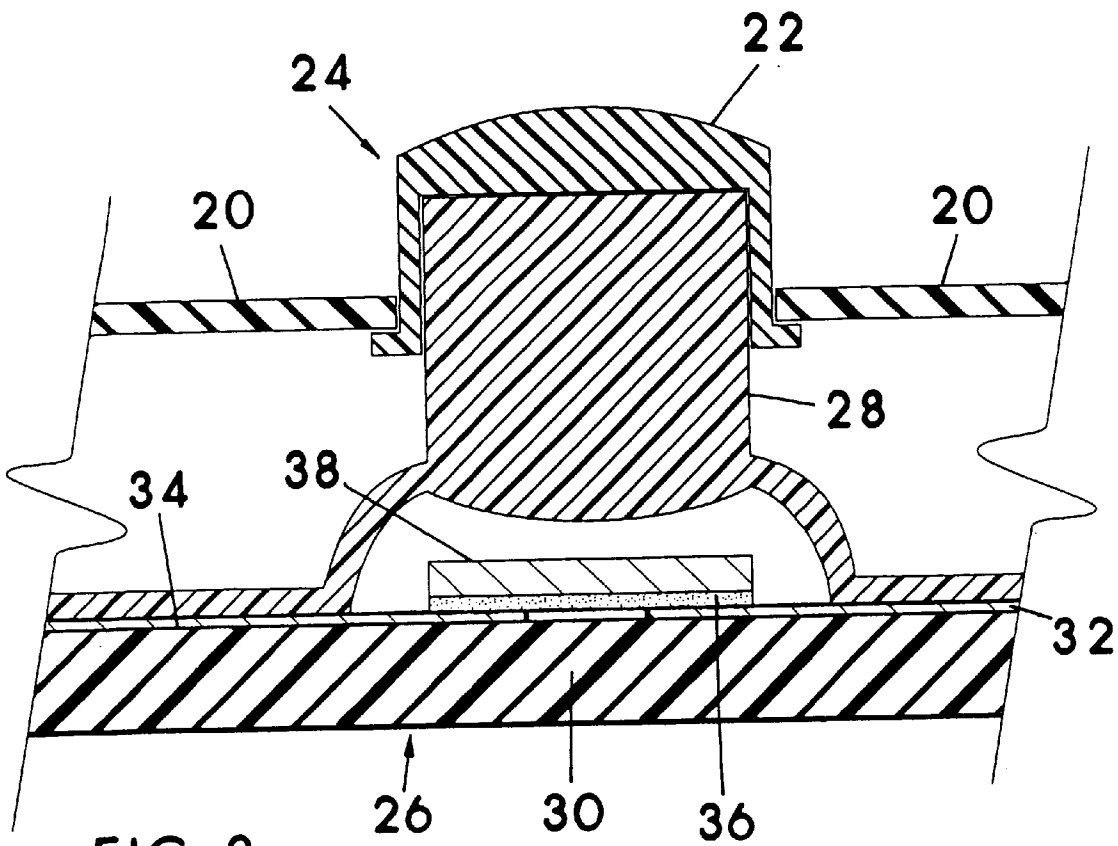


FIG. 3

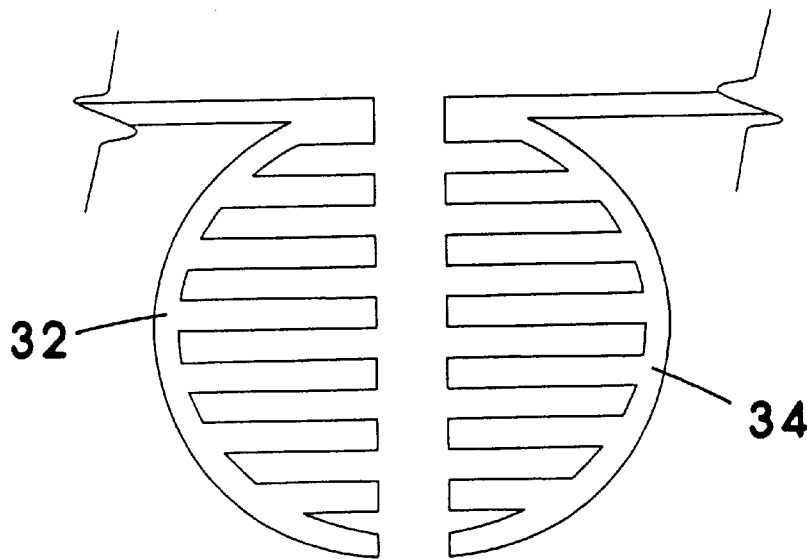
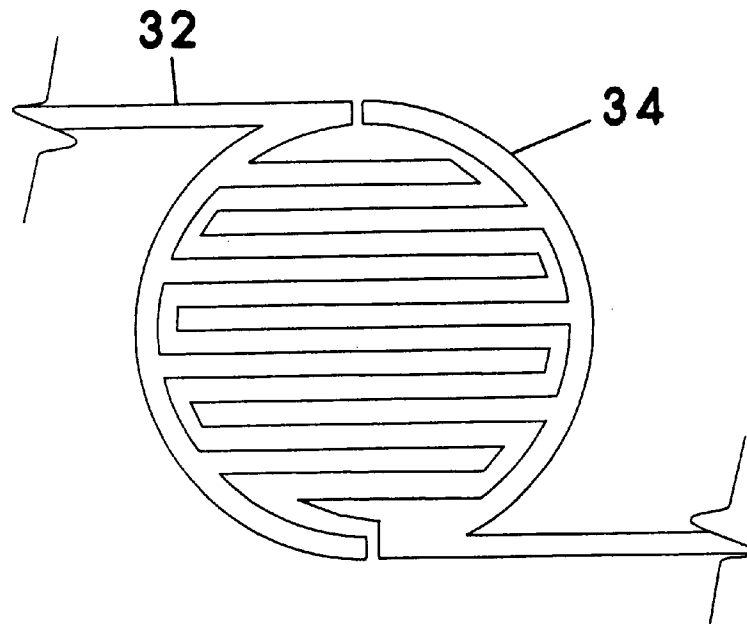
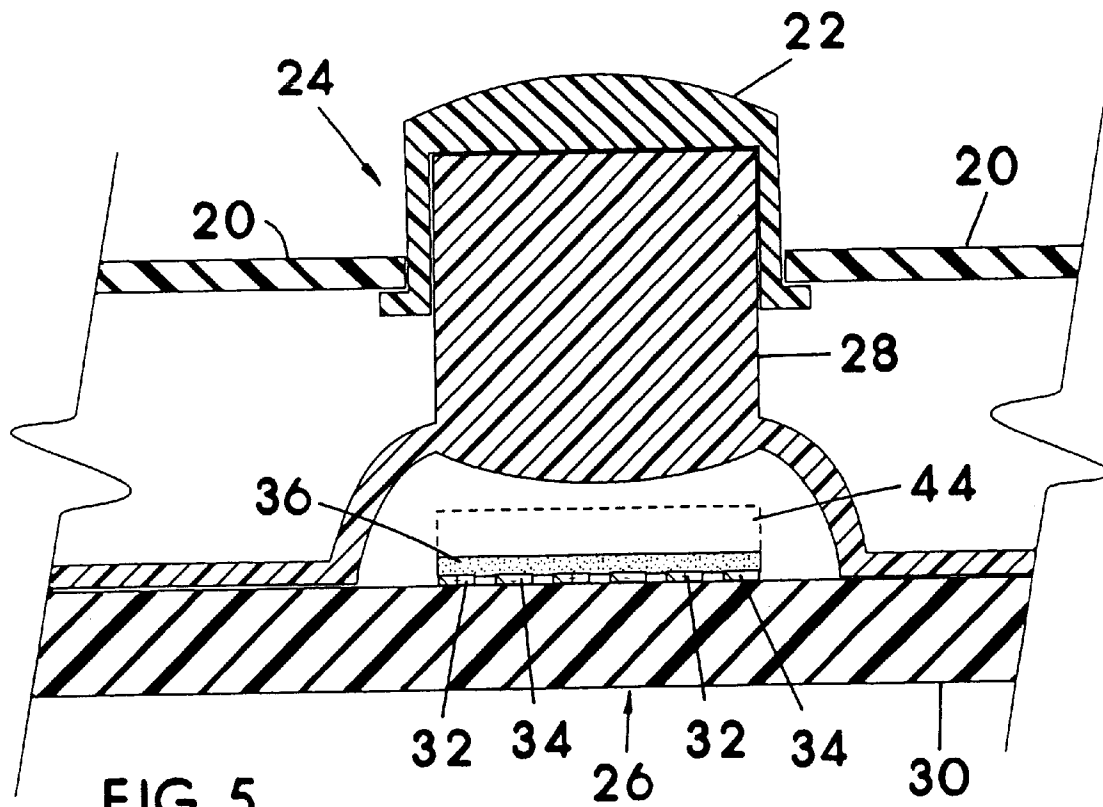


FIG. 4



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.