

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2001/0029415 A1**

Flick (43) **Pub. Date: Oct. 11, 2001**

(54) **REMOTE VEHICLE FUNCTION CONTROL SYSTEM USING DATA BUS ADAPTOR CARTRIDGE AND ASSOCIATED METHODS**

now Pat. No. 6,011,460, which is a continuation-in-part of application No. 08/701,356, filed on Aug. 22, 1996, now Pat. No. 5,719,551.

(76) Inventor: **Kenneth E. Flick**, Douglasville, GA (US)

Publication Classification

(51) **Int. Cl.⁷** **G06F 7/00**
 (52) **U.S. Cl.** **701/36; 701/48; 701/49**

Correspondence Address:

**CHRISTOPHER F. REGAN
 ALLEN, DYER, DOPPELT, MILBRATH &
 GILCHRIST, P.A.
 P.O. Box 3791
 Orlando, FL 32802-3791 (US)**

(57) **ABSTRACT**

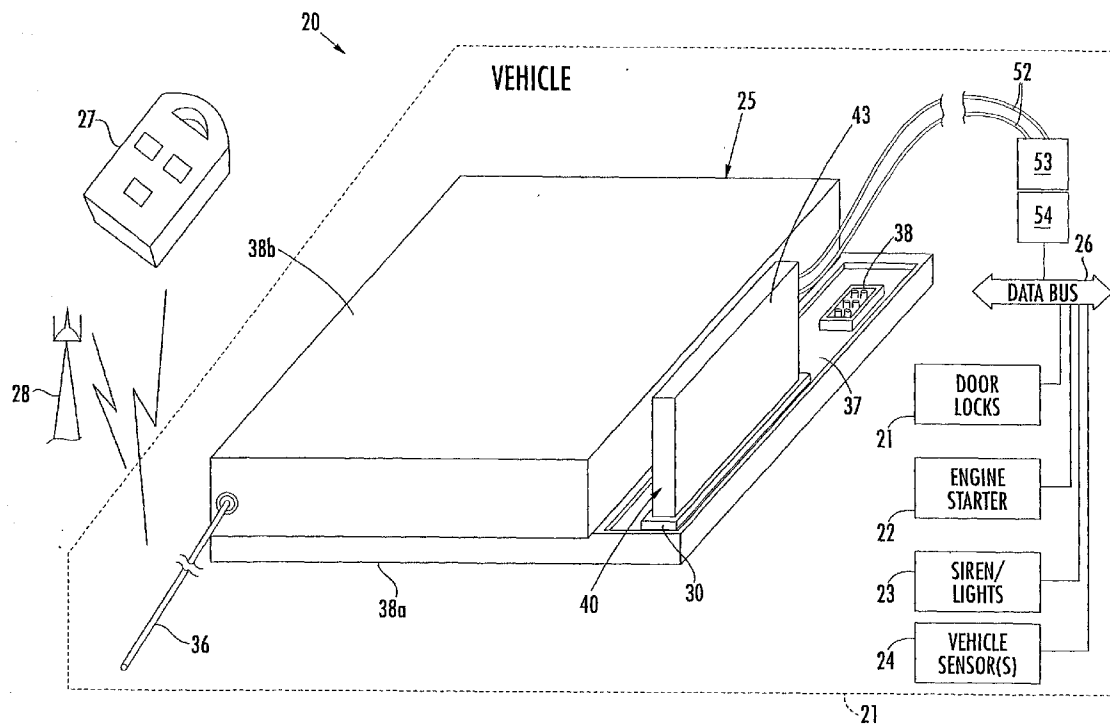
A vehicle system includes a remote function controller, and a data bus adapter cartridge removably coupled to a data bus adapter cartridge connector for permitting communications between control circuitry and at least one vehicle device over the data communications bus. The control circuitry may couple to the data bus adapter cartridge through serial or parallel interfaces. The control circuitry may generate digital command codes, and the data bus adapter cartridge may convert the digital command codes into data communications bus signals according to a desired protocol. The control circuitry may also read digital codes, and the data bus adapter cartridge may convert data communications bus signals into digital codes according to a desired protocol for the control circuitry.

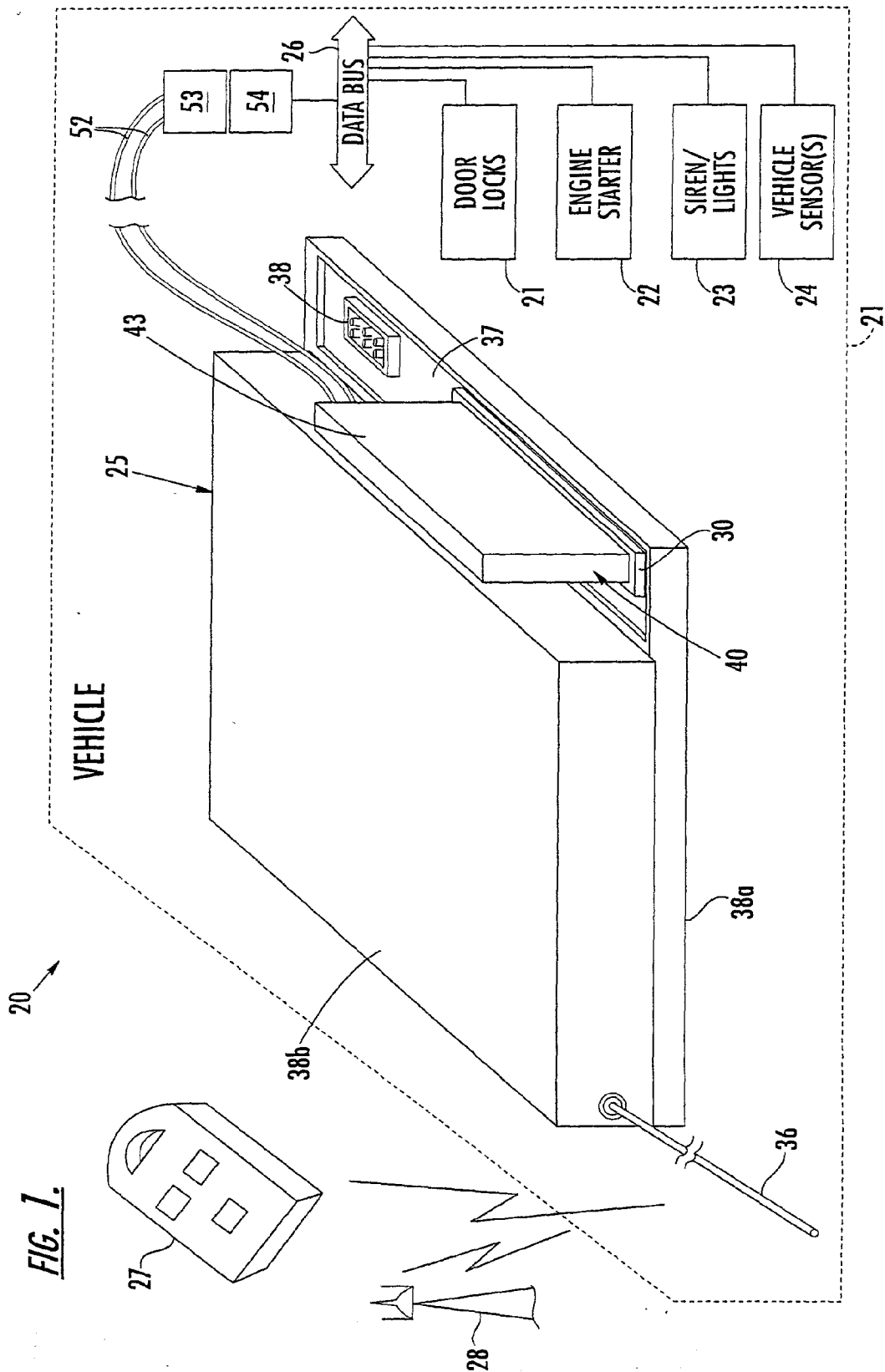
(21) Appl. No.: **09/780,245**

(22) Filed: **Feb. 9, 2001**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/583,257, filed on May 31, 2000, which is a continuation-in-part of application No. 09/382,245, filed on Aug. 25, 1999, now Pat. No. 6,275,147, which is a continuation of application No. 09/023,838, filed on Feb. 13, 1998,





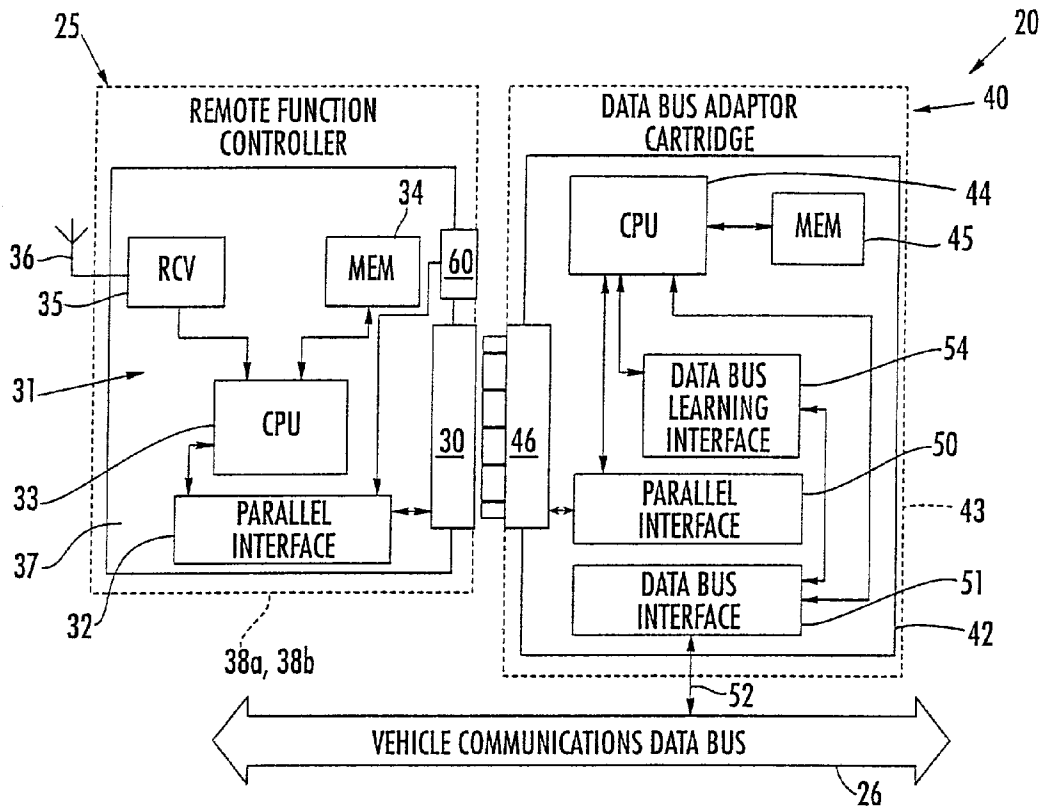


FIG. 2.

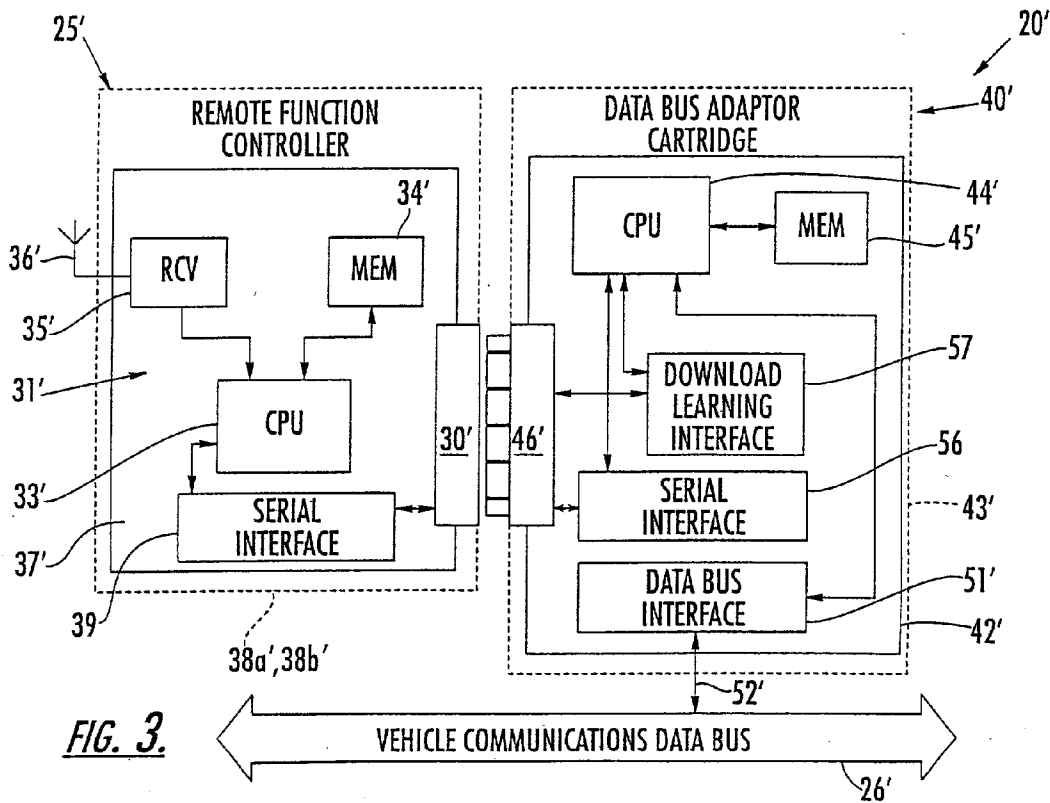
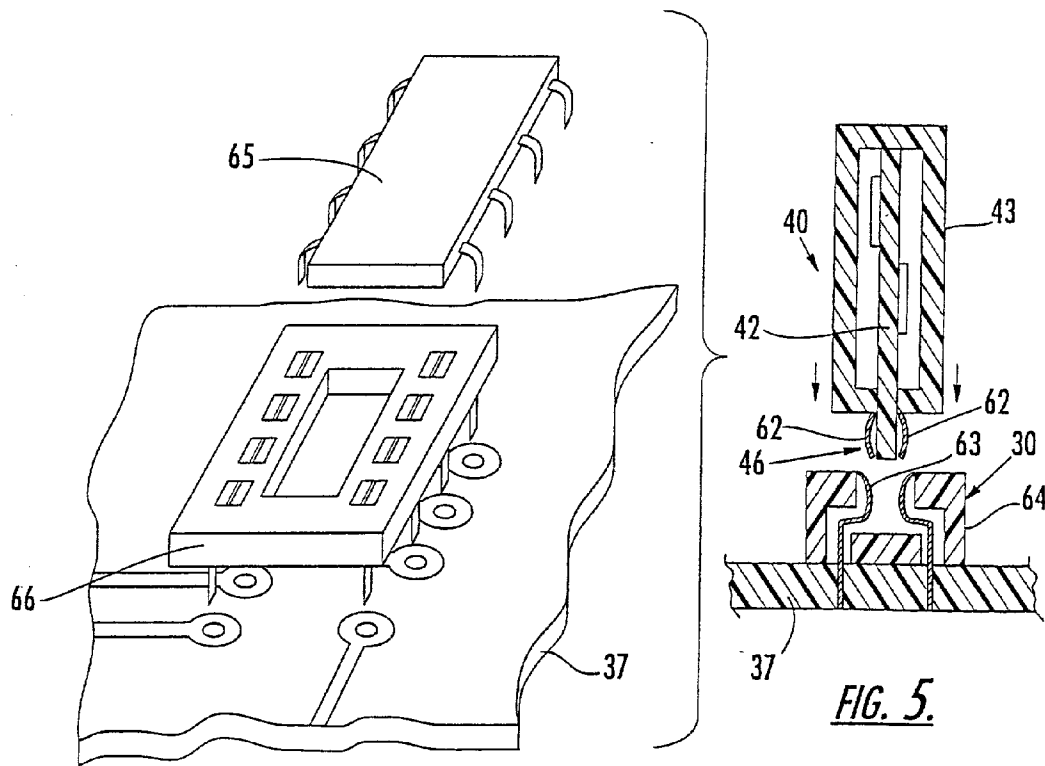
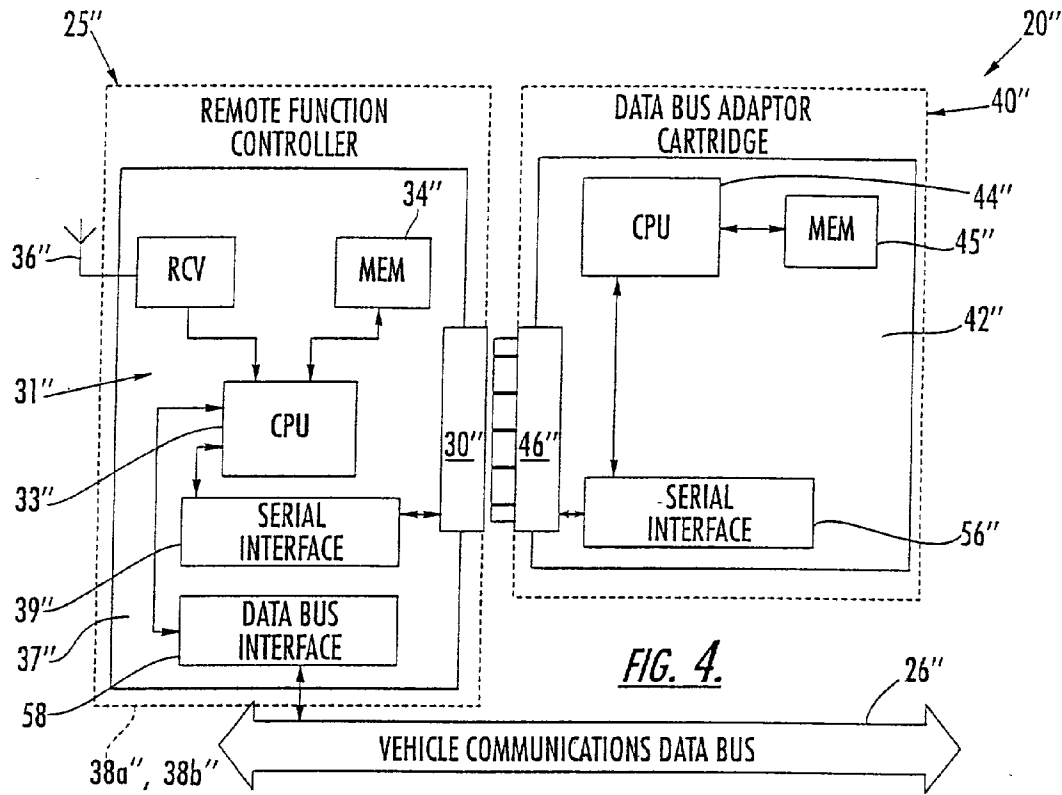


FIG. 3.



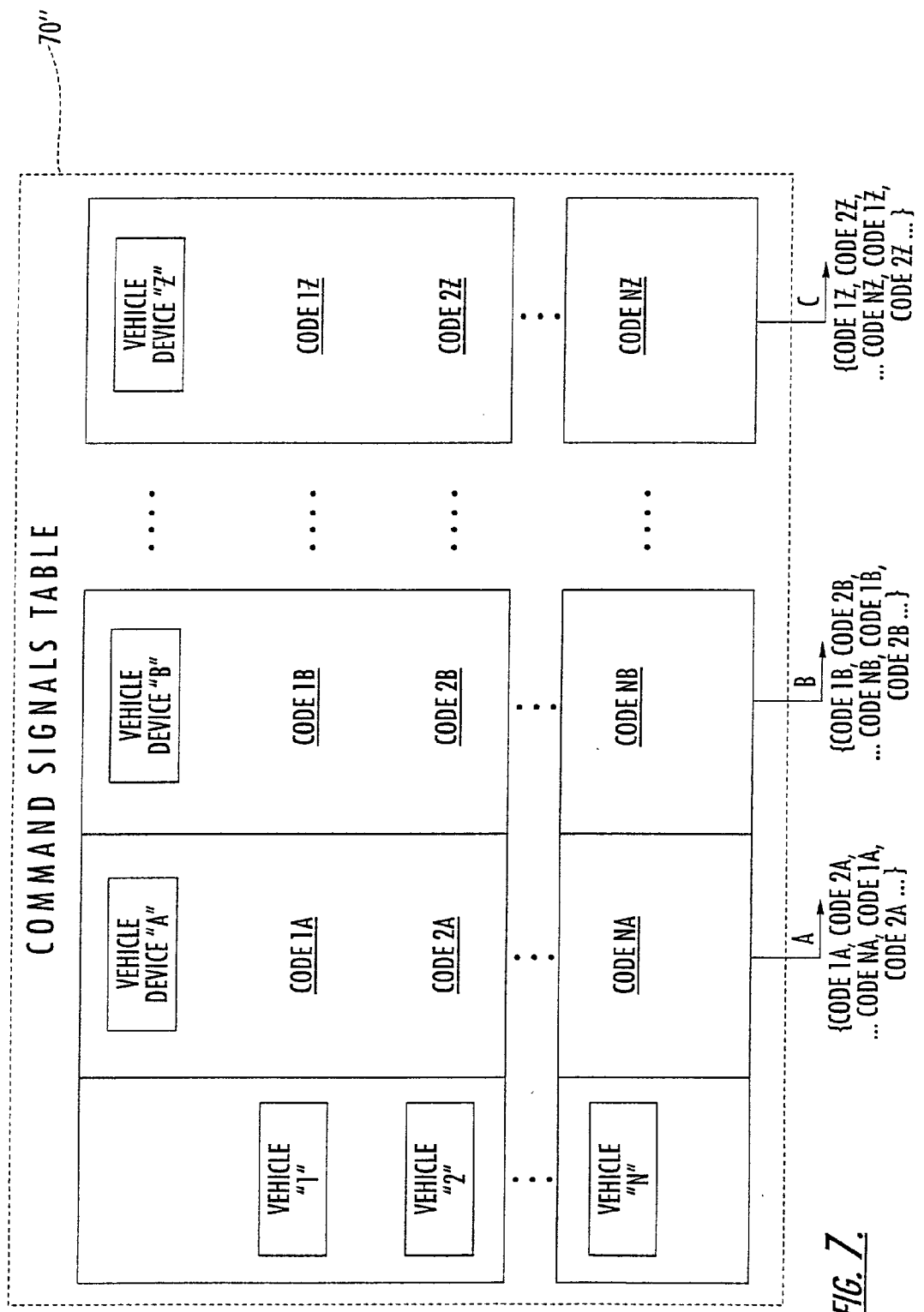


FIG. 7.

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.