(54) **NON-VOLATILE MEMORY WITH SYNCHRONOUS DRAM INTERFACE**

(76) Inventors: **Kevin M. Kilbuck**, Boise, ID (US); **David Eggleston**, San Jose, CA (US)

Correspondence Address:
LEFFERT JAY & POLGLAZE, P.A.
P.O. BOX 581009
MINNEAPOLIS, MN 55458-1009 (US)

(57) **ABSTRACT**

A high density non-volatile memory system, card, and device is described that incorporates a synchronous interface. This is accomplished through use of an external or embedded controller and/or memory buffer to manage the high density non-volatile memory device(s) to present it as a conventional memory device having a synchronous interface that is accessible by row and column address. This allows the high density non-volatile memory to support in-place code execution and allows it to be booted from. Additionally, this incorporation eliminates the overhead of drivers and/or operating system support required to utilize and present conventional high density non-volatile memory devices and moves it internal to the memory device. This simplifies the use and design effort in the overhead and specialized interfacing of high density non-volatile memories and in particular, NAND architecture Flash memories, while reducing the production cost through use of less expensive high density non-volatile memory.
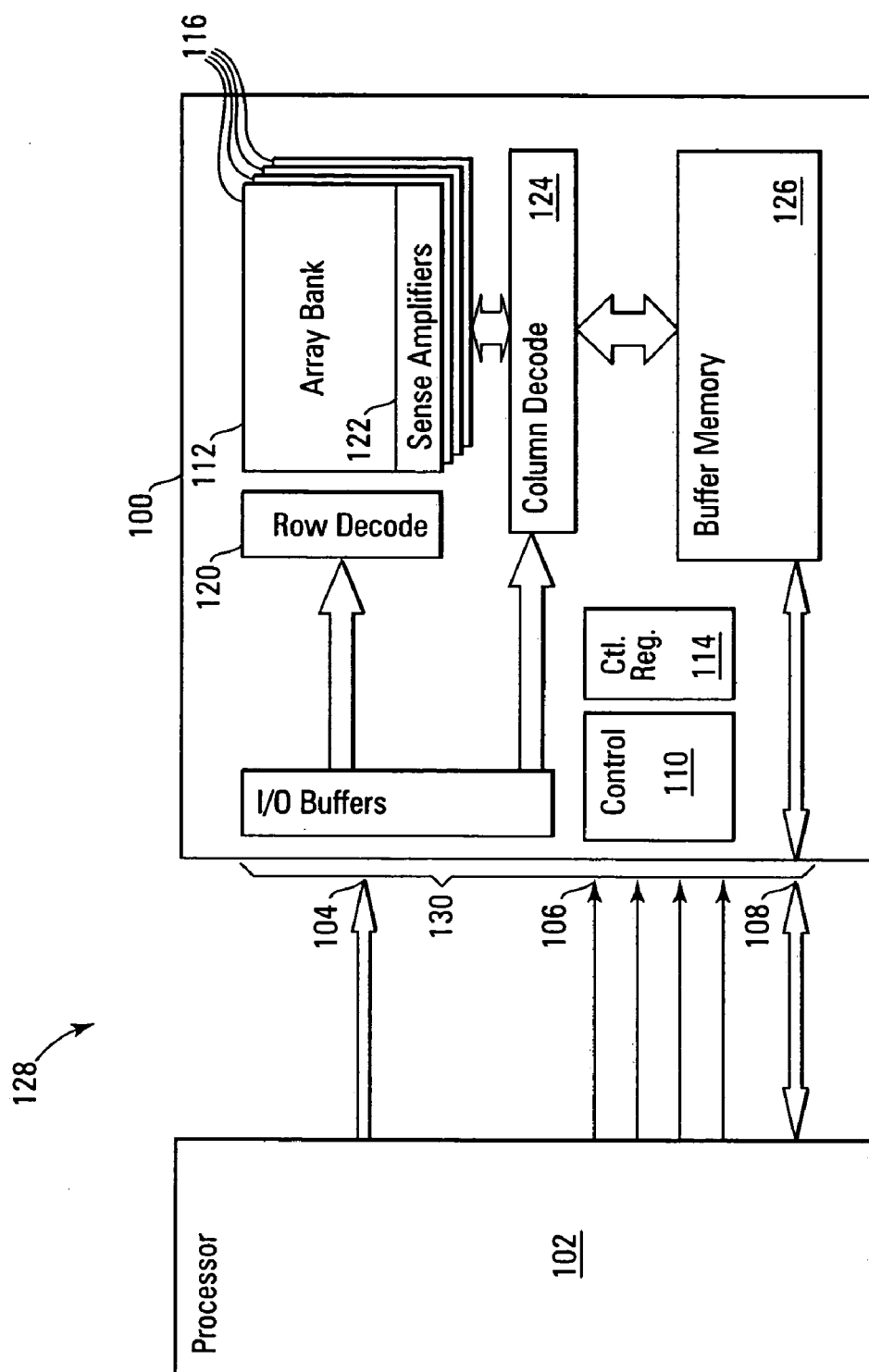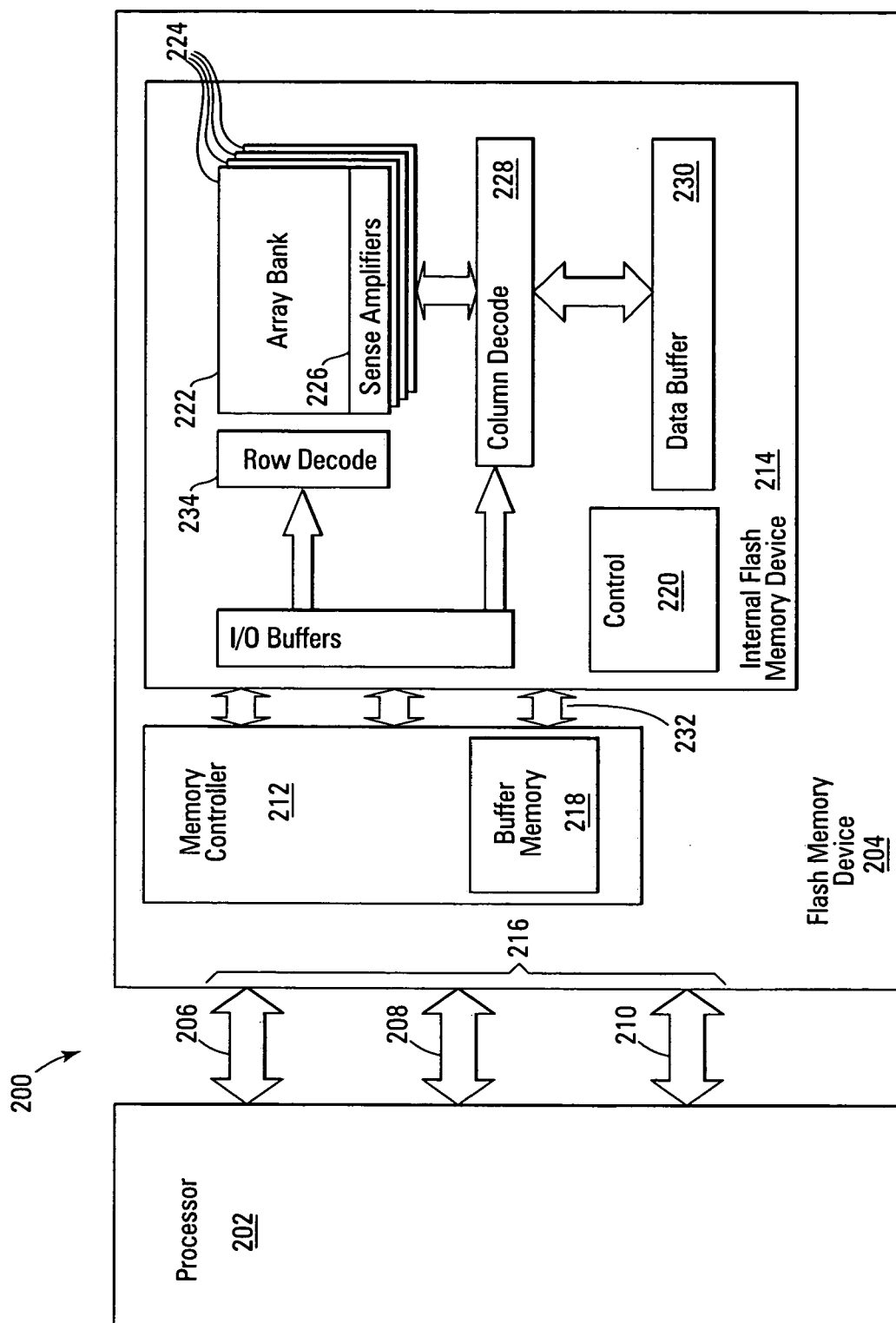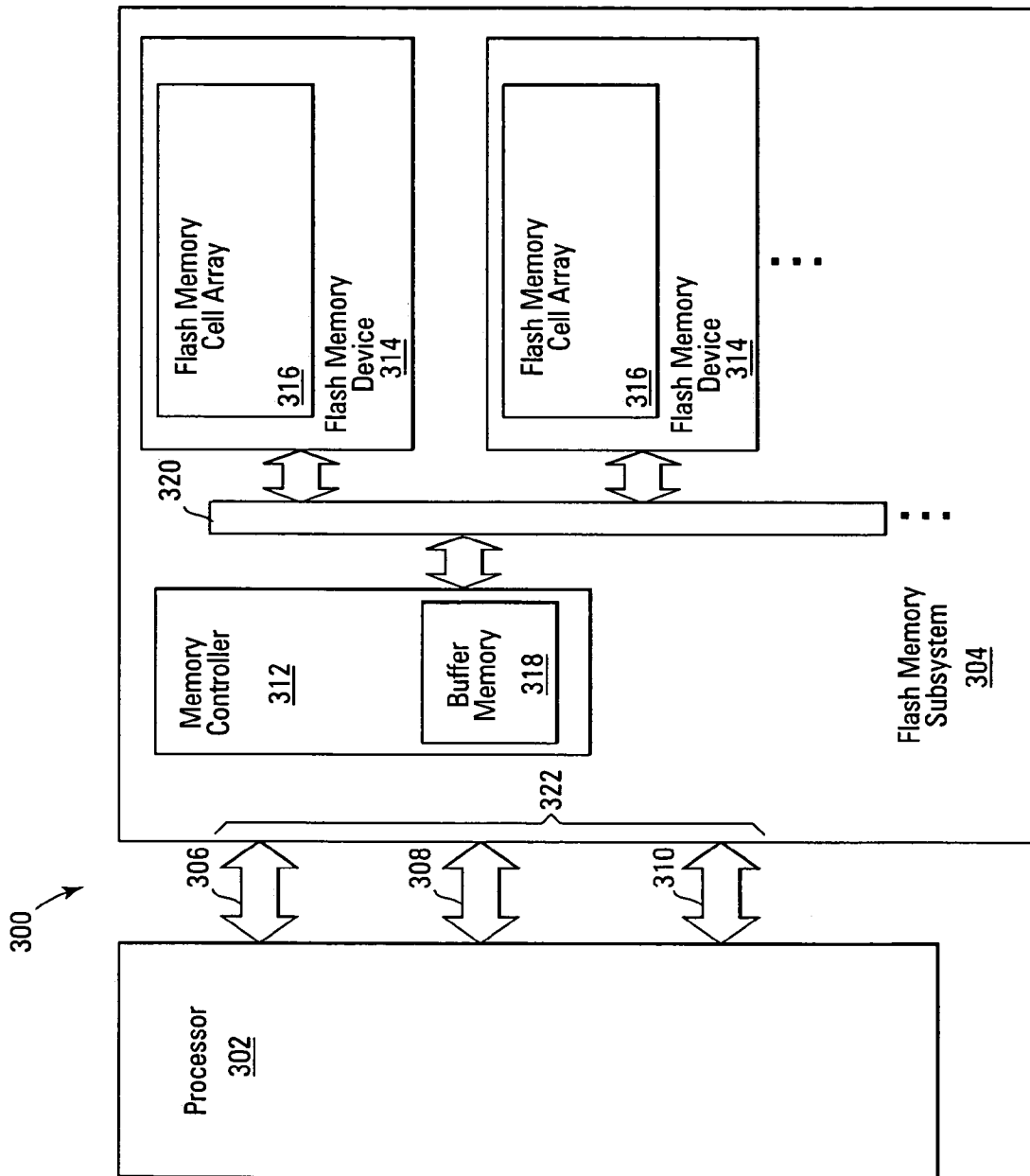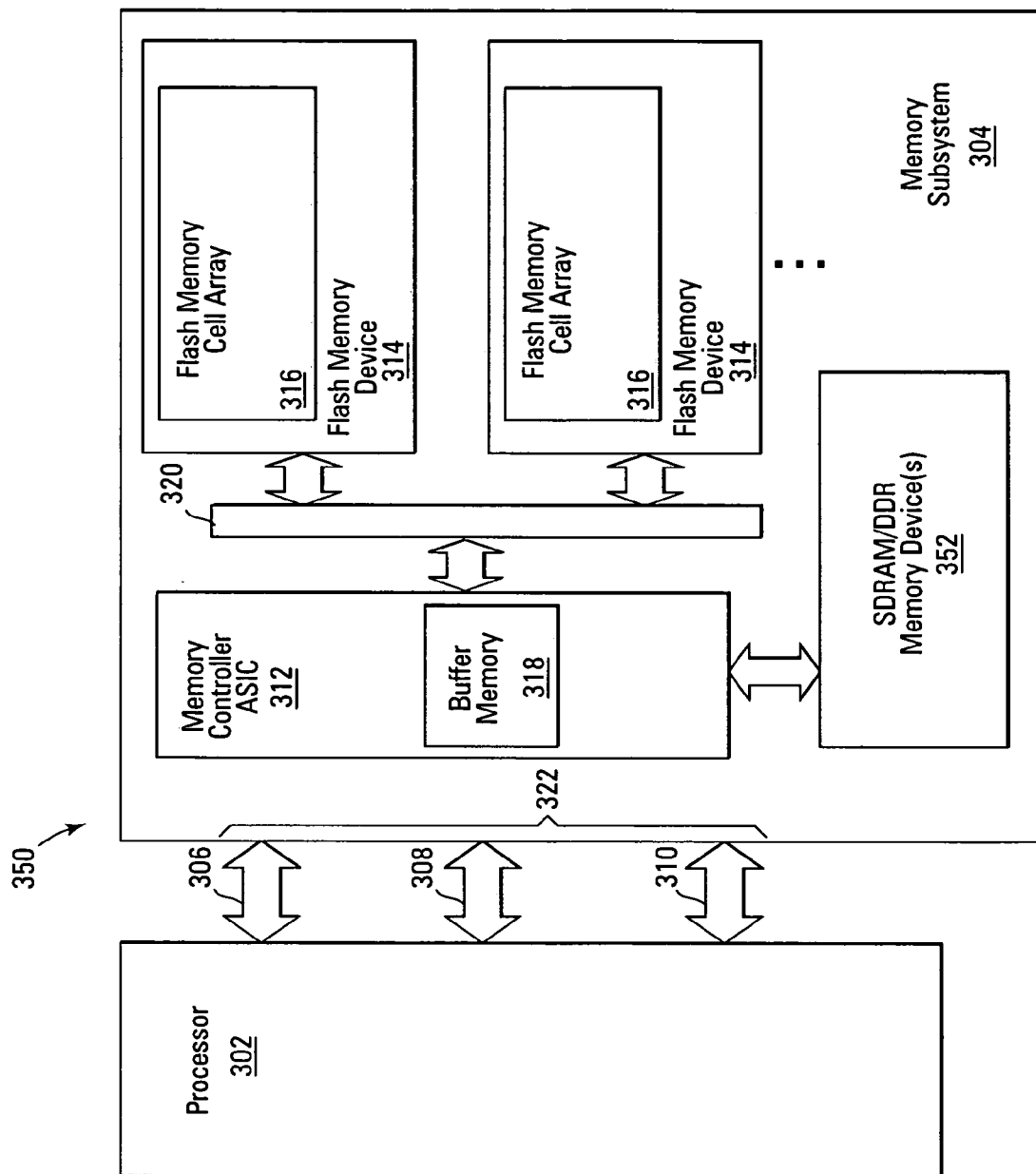
Fig. 1

Fig. 2
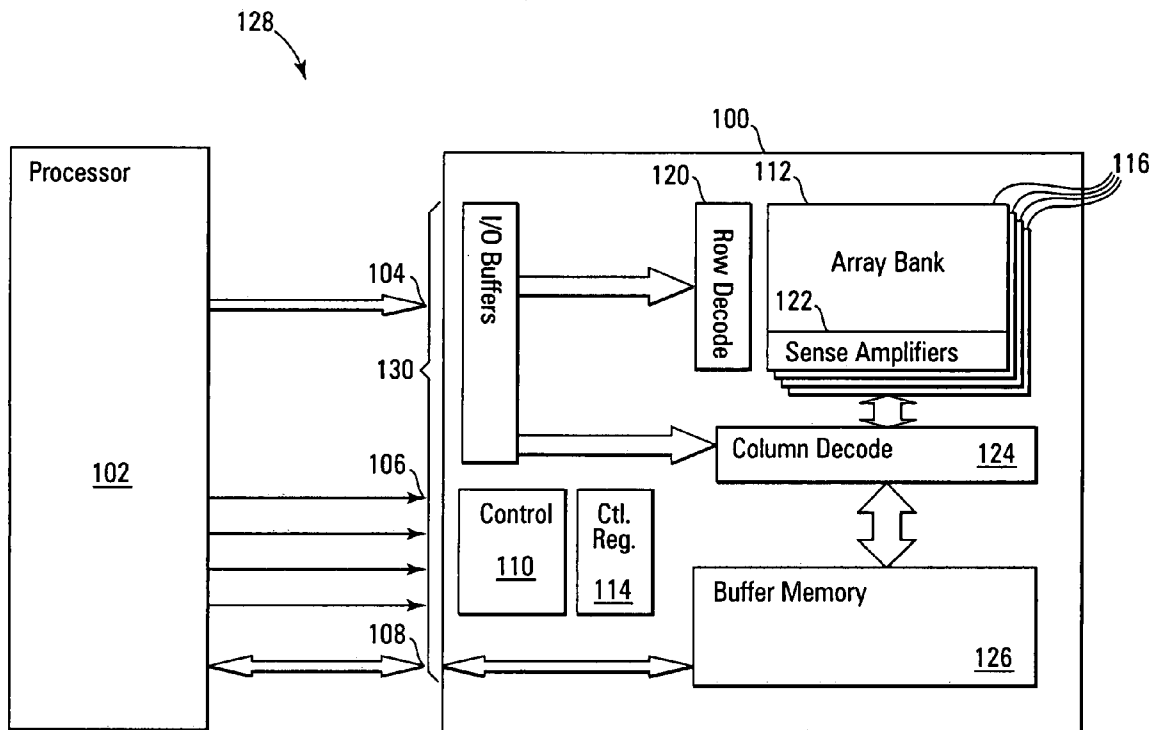
Fig. 3A

Fig. 3B

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.

fastcase®
Smarter legal research.