

## (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2009/0222654 A1 Hum et al.

(43) **Pub. Date:** 

Sep. 3, 2009

### (54) **DISTRIBUTION OF TASKS AMONG** ASYMMETRIC PROCESSING ELEMENTS

(76) Inventors:

Herbert Hum, Portland, OR (US); Eric Sprangle, Austin, TX (US); Doug Carmean, Beaverton, OR (US); Rajesh Kumar, Portland, OR (US)

Correspondence Address:

INTEL CORPORATION c/o CPA Global P.O. BOX 52050 MINNEAPOLIS, MN 55402 (US)

(21) Appl. No.:

12/220,092

(22) Filed:

Jul. 22, 2008

#### Related U.S. Application Data

(60) Provisional application No. 61/067,737, filed on Feb. 29, 2008.

#### **Publication Classification**

(51) **Int. Cl.** 

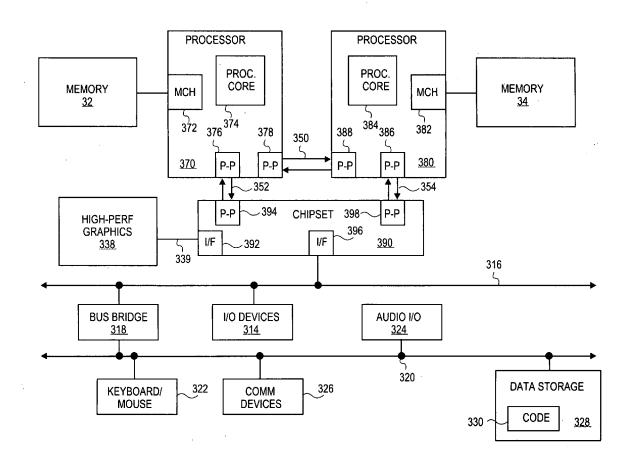
G06F 1/24 (2006.01)G06F 1/32 (2006.01)

G06F 1/08 (2006.01)

(52) U.S. Cl. ...... 713/100; 713/323

**ABSTRACT** (57)

Techniques to control power and processing among a plurality of asymmetric cores. In one embodiment, one or more asymmetric cores are power managed to migrate processes or threads among a plurality of cores according to the performance and power needs of the system.





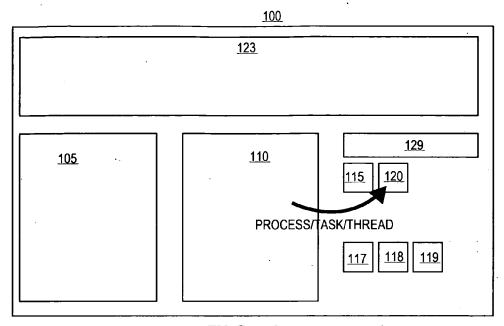


FIG. 1

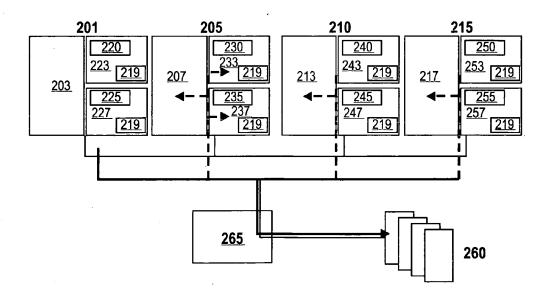
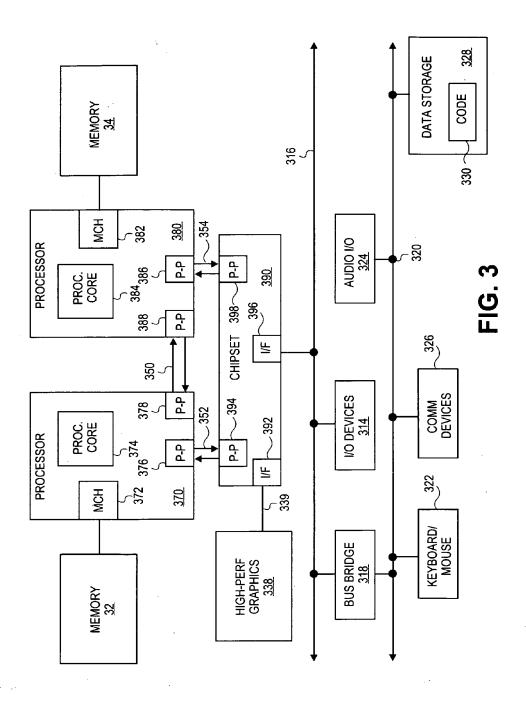


FIG. 2



Power vs. Performance

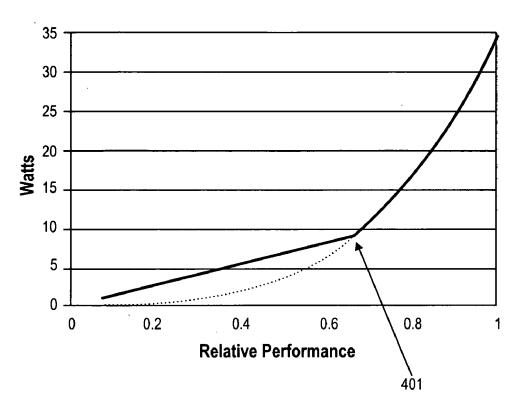
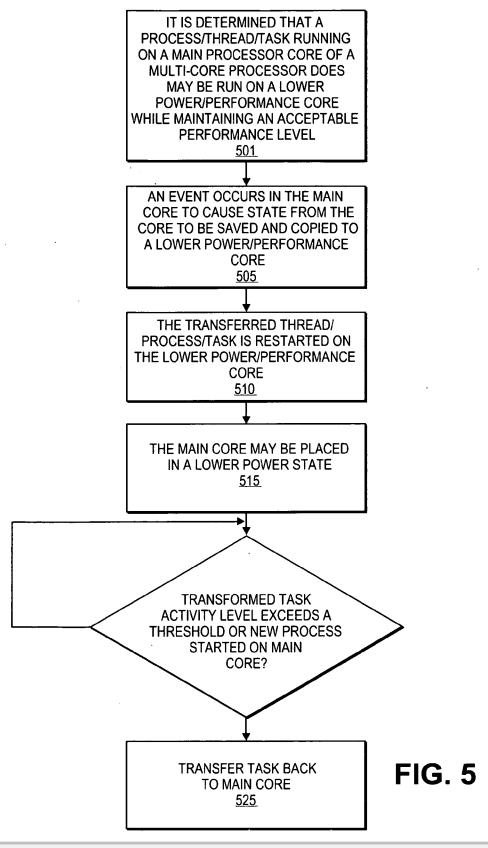


FIG. 4



# 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.

