



US007140015B1

(12) **United States Patent**
Bhanjois et al.

(10) **Patent No.:** **US 7,140,015 B1**
(45) **Date of Patent:** **Nov. 21, 2006**

(54) **MICROKERNEL FOR REAL TIME APPLICATIONS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/408,149**

(22) Filed: **Sep. 29, 1999**

(51) **Int. Cl.**
G06F 9/44 (2006.01)

(52) **U.S. Cl.** **718/100; 718/103; 718/107**

(58) **Field of Classification Search** 709/100-104, 709/106-108, 310, 313, 314; 718/100-104, 718/106-108; 719/310, 313, 314
See application file for complete search history.

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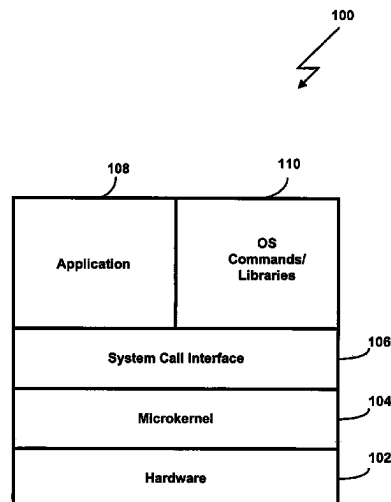
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(57) **ABSTRACT**

An operating system includes a non-preemptive microkernel executing one or more processes in accordance with a predetermined priority; and one or more kernels adapted to be executed as one or more processes by the non-preemptive microkernel.

26 Claims, 12 Drawing Sheets



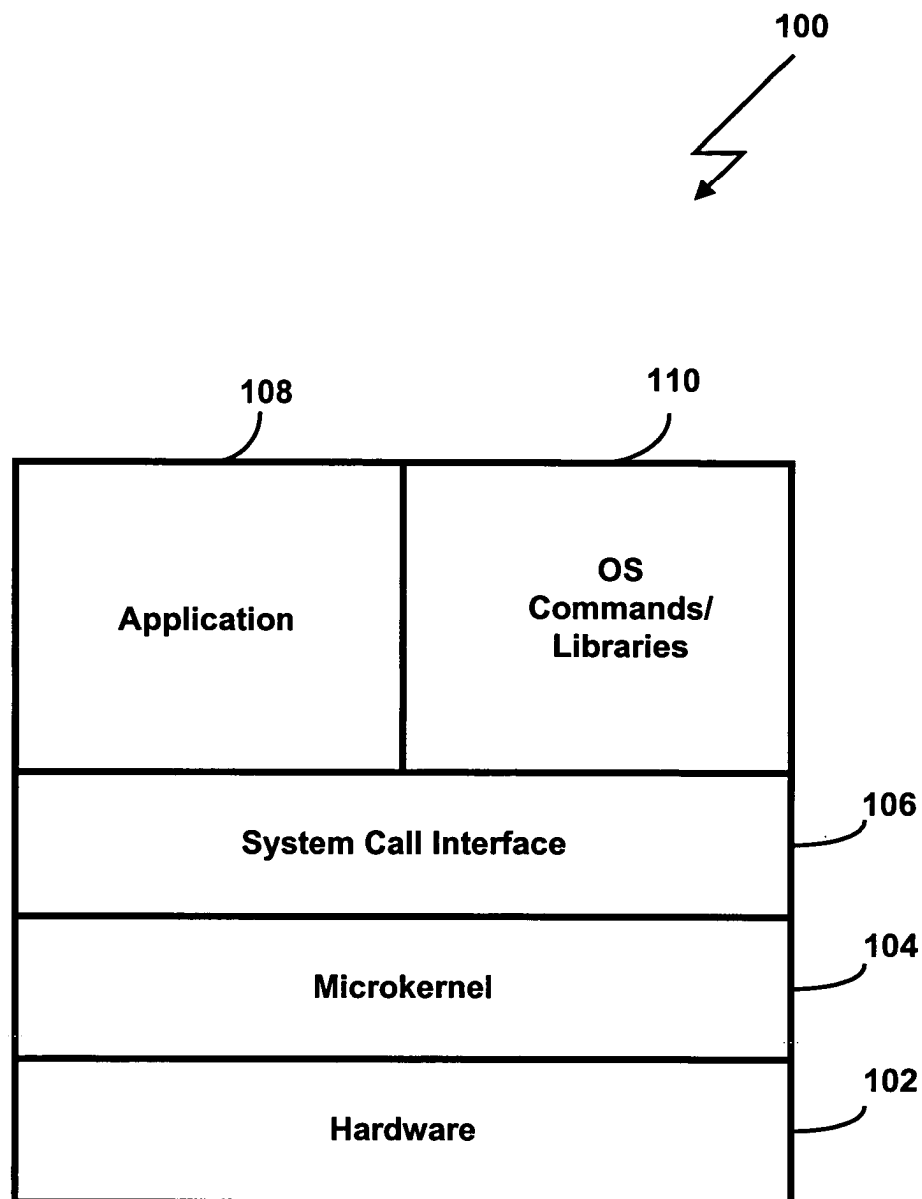
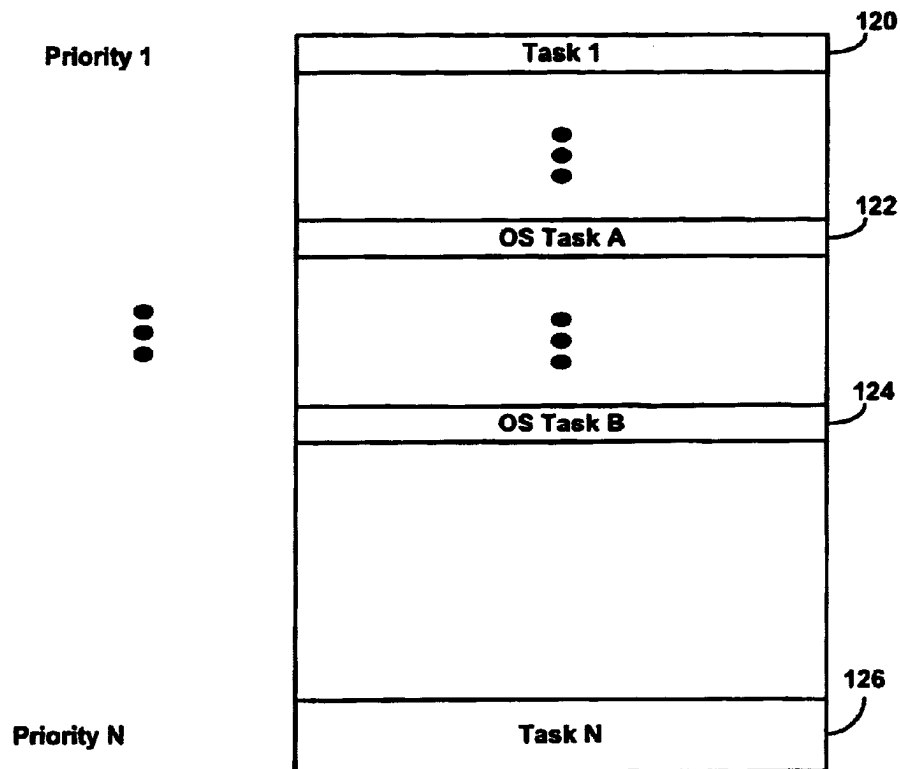


FIG. 1

**FIG. 2**

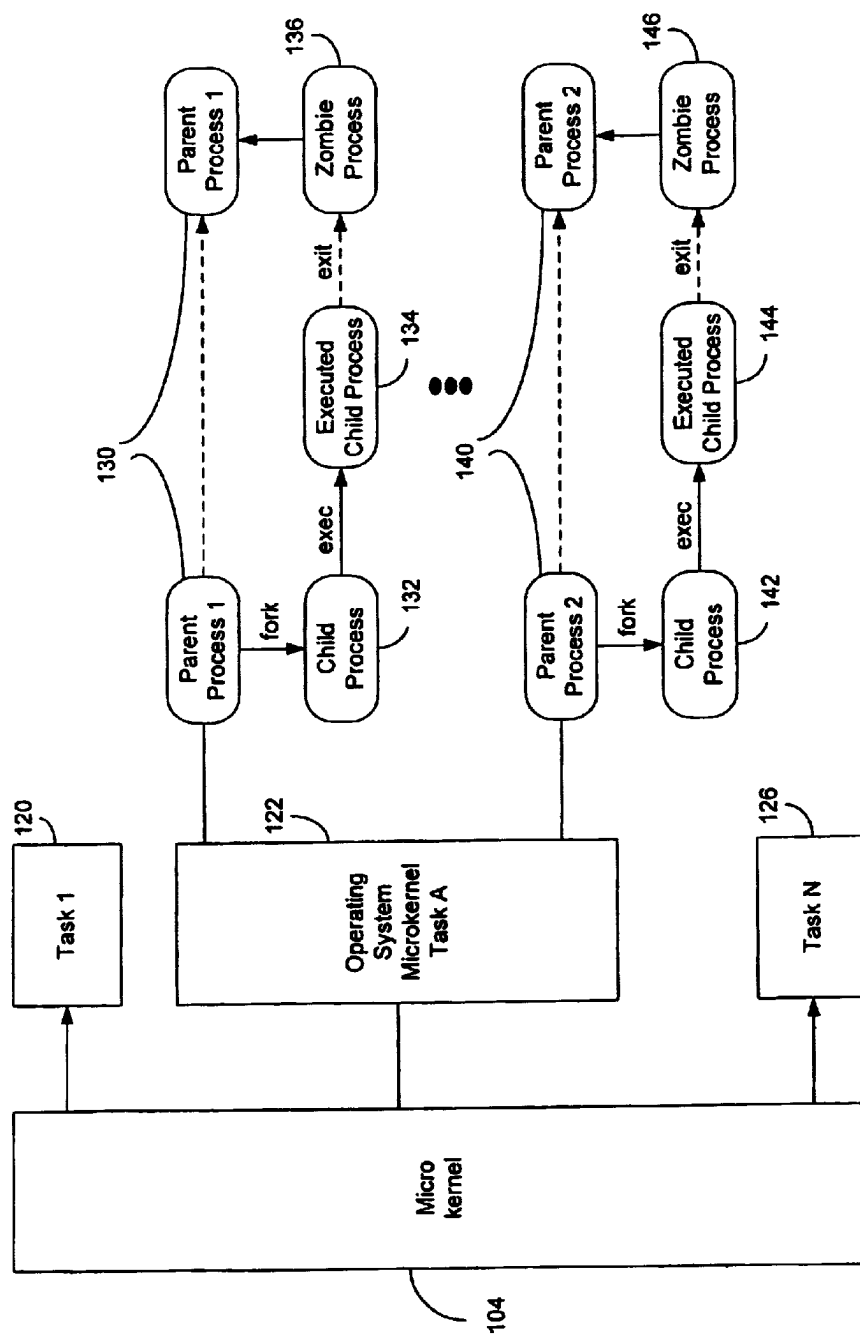


FIG. 3

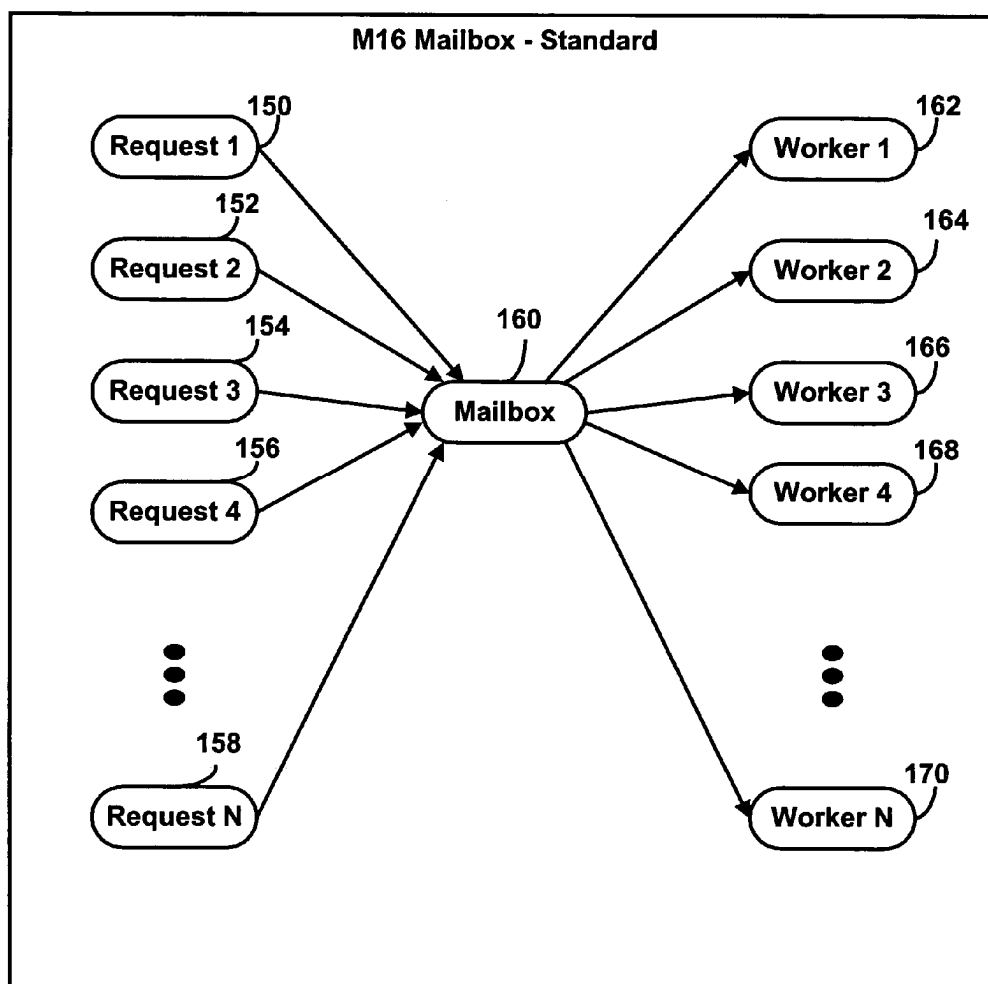


FIG. 4

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