



US 20070043965A1

(19) **United States**

(12) **Patent Application Publication**
Mandelblat et al.

(10) **Pub. No.: US 2007/0043965 A1**

(43) **Pub. Date: Feb. 22, 2007**

(54) **DYNAMIC MEMORY SIZING FOR POWER REDUCTION**

Publication Classification

(75) Inventors: **Julius Mandelblat**, Haifa (IL); **Moty Mehalel**, Haifa (IL); **Avi Mendelson**, Haifa (IL); **Alon Naveh**, Ramet Hasharon (IL)

(51) **Int. Cl.**
G06F 1/26 (2006.01)
(52) **U.S. Cl.** **713/324**

(57) **ABSTRACT**

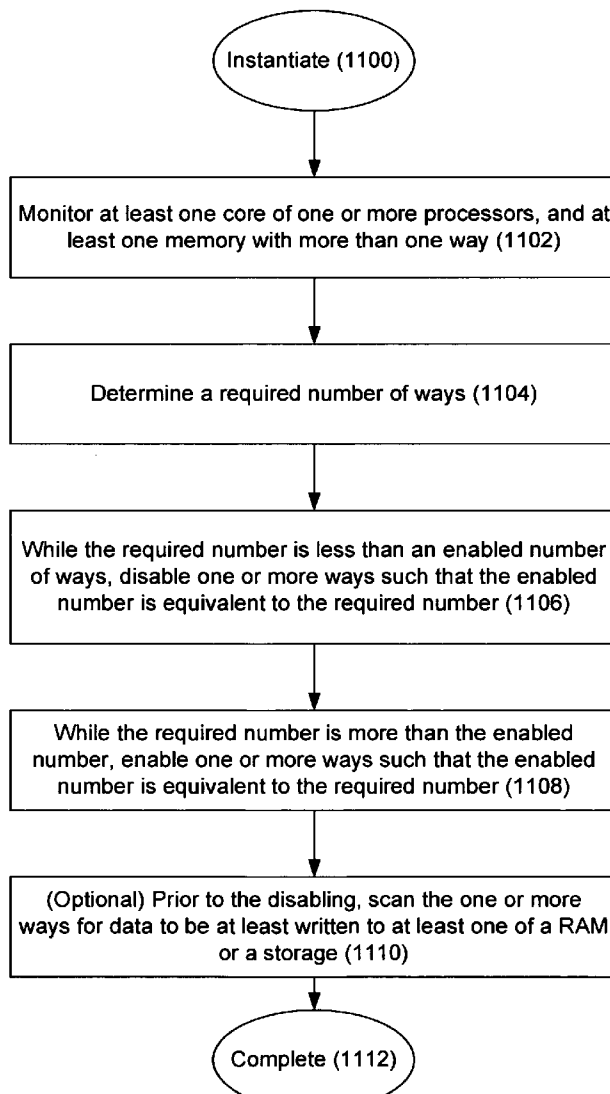
Correspondence Address:
INTEL CORPORATION
C/O INTELLEVATE, LLC
P.O. BOX 52050
MINNEAPOLIS, MN 55402 (US)

Systems and methods of dynamic memory for power reduction are described with respect to a memory with a coupled sleep device. In one embodiment, the operating requirements can reflect amount of memory required to perform commensurate operations. Memory power management logic is used to coordinate memory requirements with operating requirements. The sleep device is able to enable or disable the memory based on the requirements to reduce power consumption.

(73) Assignee: **INTEL CORPORATION**

(21) Appl. No.: **11/208,935**

(22) Filed: **Aug. 22, 2005**



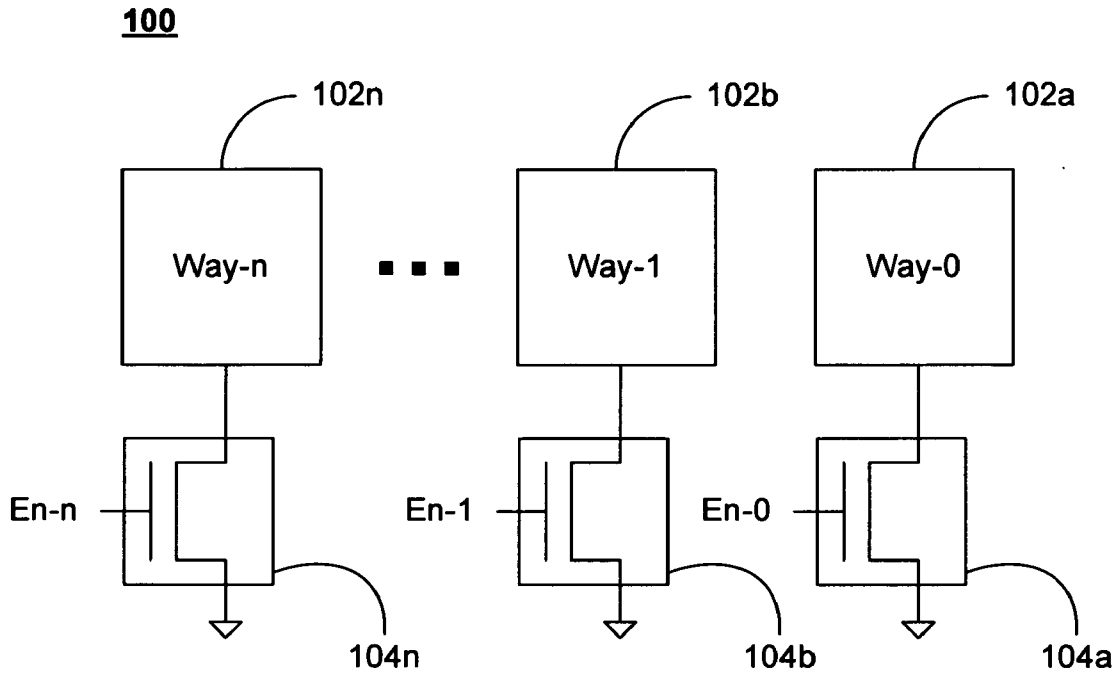


FIG. 1

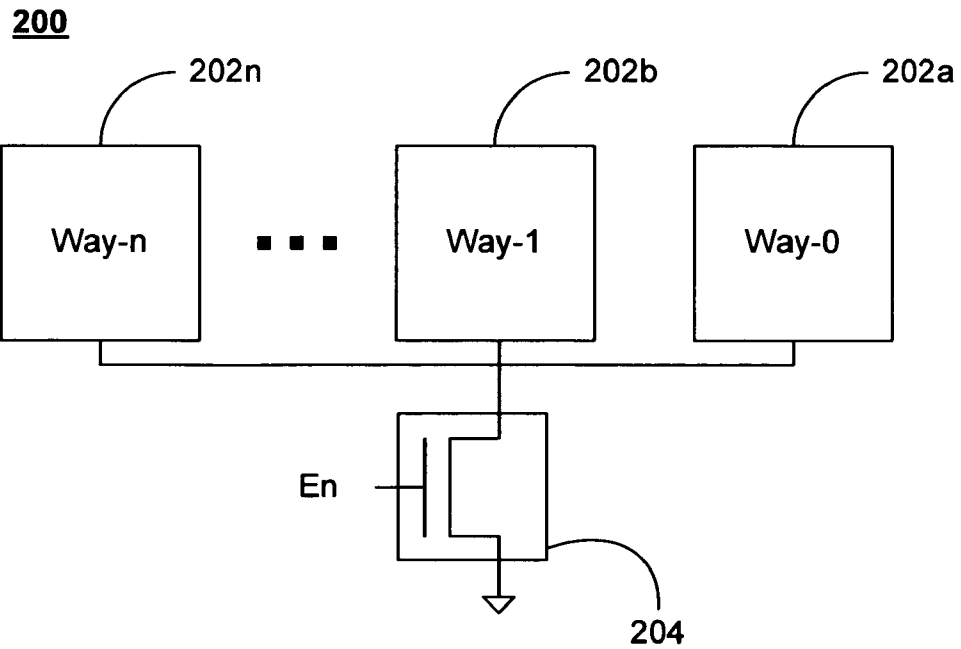


FIG. 2

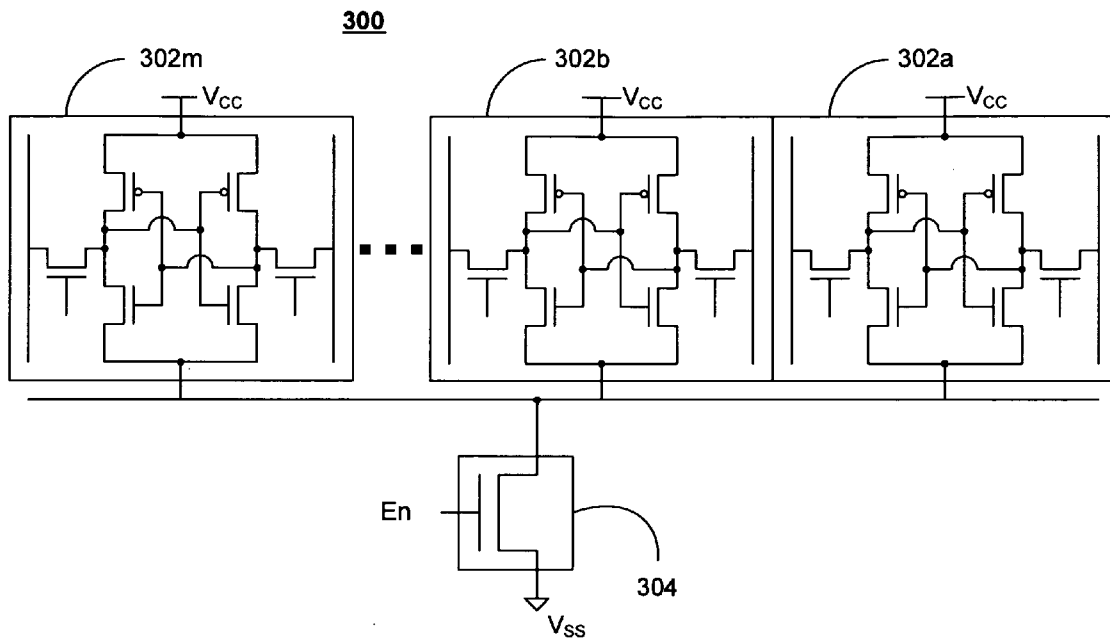


FIG. 3

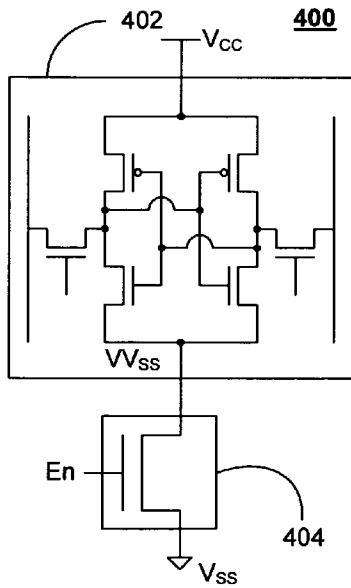


FIG. 4

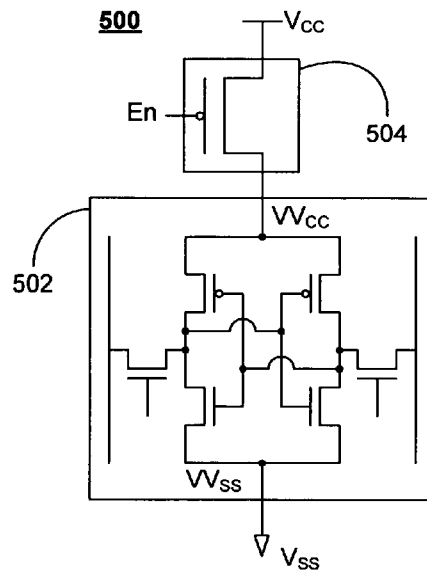


FIG. 5

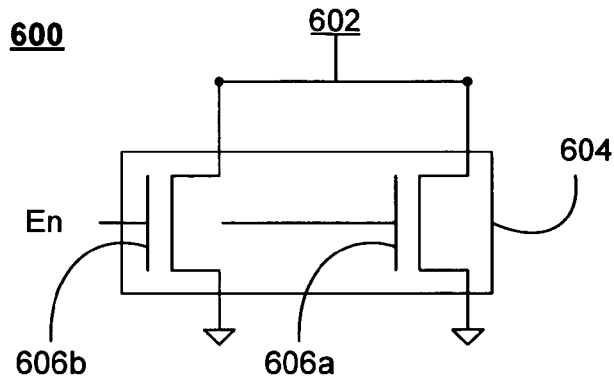


FIG. 6

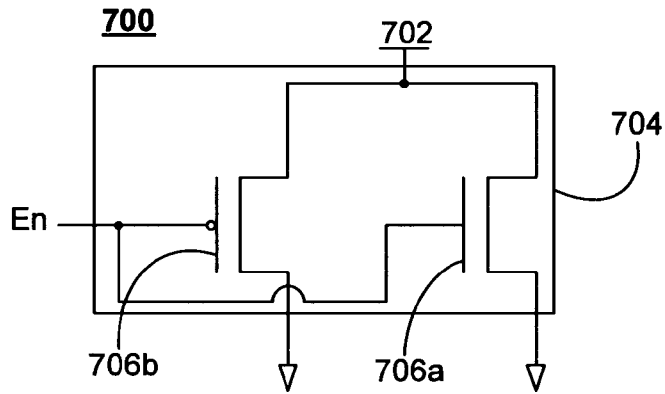


FIG. 7

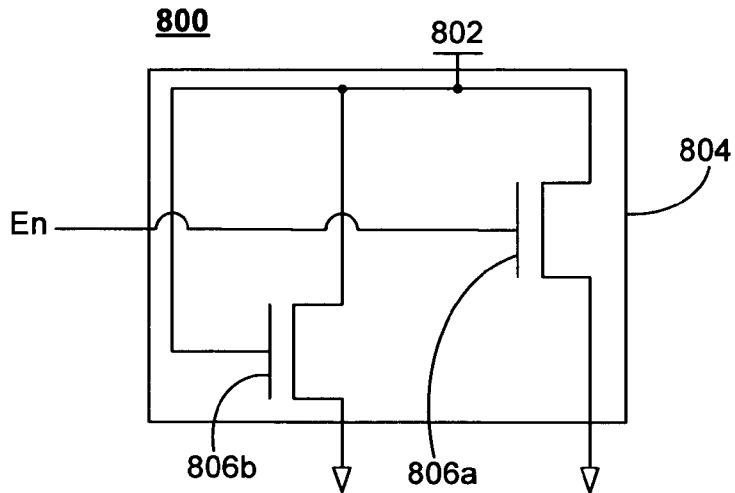


FIG. 8

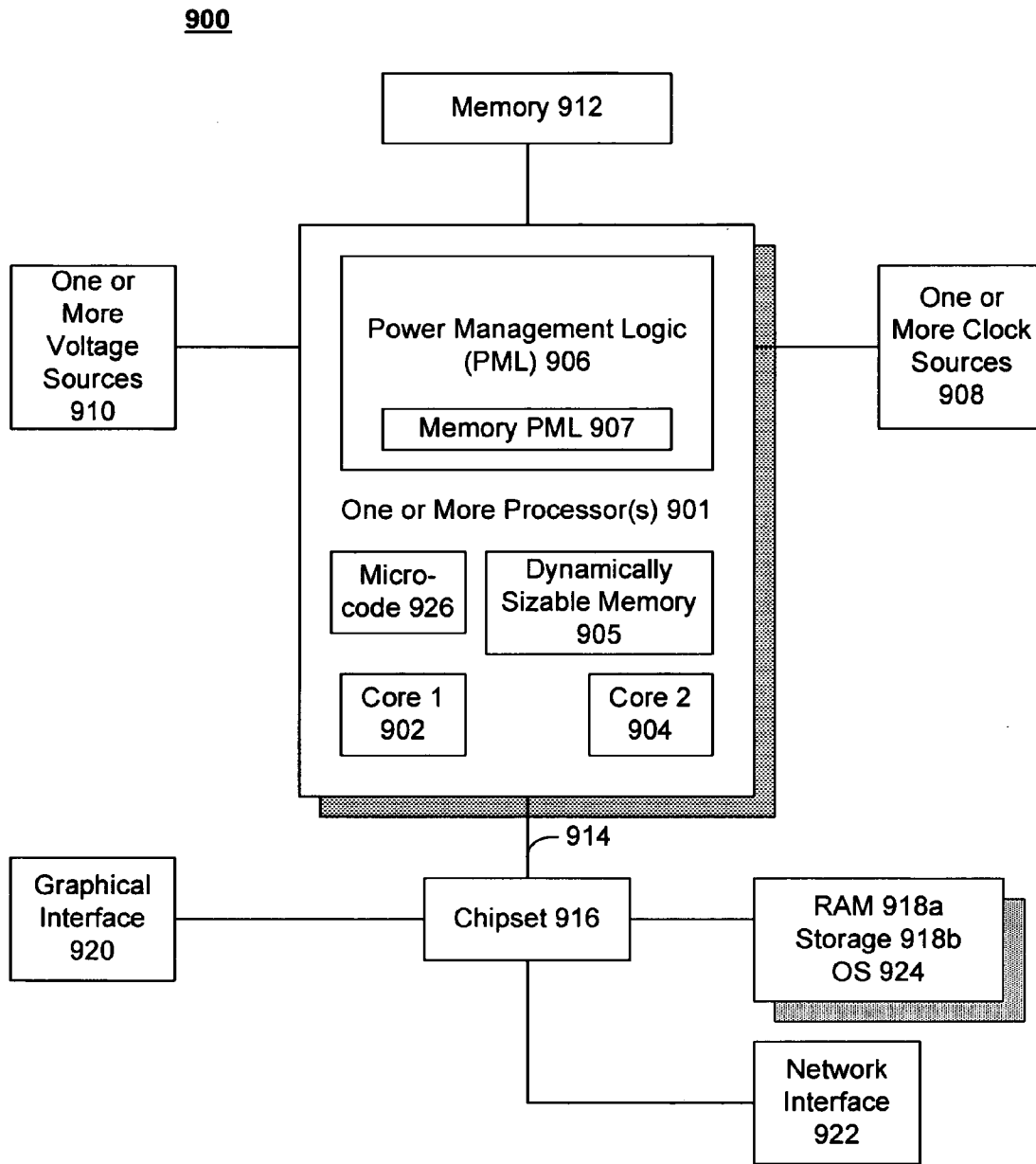


FIG. 9

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