(54) Title: METHOD AND APPARATUS FOR SUPPORTING STORAGE MODULES IN STANDARD MEMORY AND/OR HYBRID MEMORY BUS ARCHITECTURES
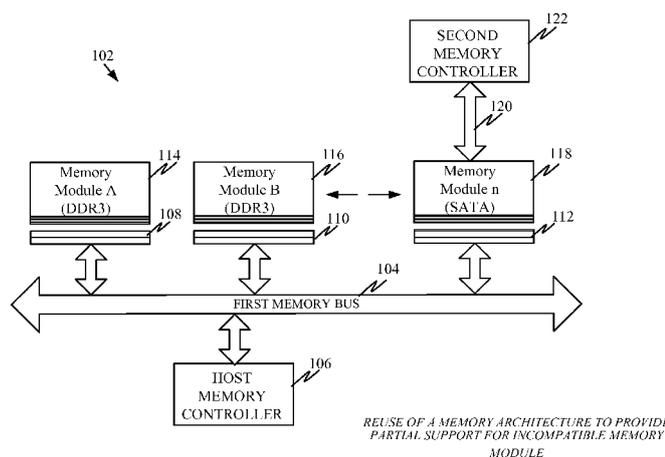
FIG. 1A

(57) Abstract: A memory/storage module is provided that implements a solid state drive compatible with Serial Advanced Tech-
nology Attachment (SATA) or Serial Attached SCSI (SAS) signaling on a double-data-rate compatible socket. A detachable
daughter card may be coupled to the memory module for converting a memory bus voltage to a second voltage for memory de-
vices on the memory module. Additionally, a hybrid memory bus on a host system is provided that supports either DDR-compati-
ble memory modules and/or SATA/SAS- compatible memory modules. In one example, the memory/storage module couples to a
first bus (DDR3 compatible socket) to obtain voltage and/or other signals, but uses a second bus for data transfers. In another ex-
ample, the memory module may repurpose/reuse electrical paths that typically carry non-data signals for data traffic to/from the
memory/storage module. Such data traffic for the memory/storage module permits concurrent data traffic for other memory mod-
ules on the same memory bus.

WO 2011/087820 A8