

MALWARE-RESISTANT COMPUTER SYSTEM MEMORY CAPTURE**ABSTRACT**

There is provided a computer system of malware-resistant memory capture, comprising memory units operably connected to a first processor; secondary-storage-enabled memory units (SSEMU) comprising a backup memory, being adapted to copy stored data to the comprised backup memory, and providing a data interface of reading from the backup memory; wherein the first processor and the one or more SSEMUs are configurable so that each SSEMU of the one or more SSEMUs at least partially mirrors a respective memory unit of the one or more memory units; and a memory controller (MC) operably connected to a control interface and the provided data interface of at least one SSEMU, and configured to signal, to the SSEMU, a control interface signal of copying of stored data to a comprised backup memory, and initiate reading of data from the comprised backup memory.

Figure 2