

METHOD FOR CONTROLLING CACHE MEMORIES, COMPUTER SYSTEM, HARD
DISK DRIVE UNIT, AND HARD DISK CONTROL UNIT

ABSTRACT

A computer system is provided with an HDC card (21) connected to an expansion bus (20) and an HDD unit (22) connected to the HDC card (21). The HDC card (21) is provided with a disk cache (high-ranking cache memory) and the HDD unit (22) is provided with a disk cache (54) (low-ranking cache memory). The HDC card (21) and the HDD unit (22) exchange select information for selecting a swap mode of each cache memory when the system is started up, thereby selecting different swap modes according to the exchanged select information respectively. The object is to avoid holding common data in both the high-ranking and low-ranking cache memories, or to reduce the data held commonly, thereby having each of the cache memories hold data efficiently.

FIG 1