FILE SYSTEM LOCKING

ABSTRACT

Process requests between an application program and an operating system and, in particular, file locking or unlocking requests from an application program may cause files to be corrupted if the application program is ported to a new operating system without rewriting portions of the program code. A file locking emulator comprising an application program interface and a file lock supervisor is used between an application program and an operating system. The file locking emulator receives the file locking requests from the application program and generates file requests and file lock query commands. The status of files accessed by the application program are stored in file lock managers. Only code in the file request emulator needs to be rewritten when an application program is ported to different operating systems sharing incompatible but executable processes.

Fig.2.