

CLAIMS

1. A method for controlling a computing device, the method comprising:
controlling a central processing unit;
providing using a kernel an interface between the central processing unit and an application to be executed by the central processing unit;
providing a software in a user space;
providing a virtual file system in the kernel; and
communicating using a communication interface between the software and the virtual file system.
2. The method of claim 1,
wherein the virtual file system comprises at least one of a ProcFS and a SysFS.
3. The method of claim 1,
wherein the communication interface comprises a fuse interface.
4. The method of claim 1,
wherein the fuse interface is provided in the kernel.
5. The method of claim 1,
wherein the communication interface comprises a virtual interface.
6. The method of claim 5,
wherein the virtual interface is provided in the user space.
7. The method of claim 5,
wherein the virtual interface is provided in the kernel.

8. The method of claim 1,
wherein information about the software is communicated using the communication interface.
9. The method of claim 1,
wherein the software comprises at least one of a driver for a peripheral device connectable to the computing device or an application.
10. The method of claim 1,
wherein the kernel is provided in a protected area of the computing device; and
wherein the user space is provided outside the kernel.
11. A computer-readable medium comprising instructions which, when executed by a computer, make the computer perform a method for controlling a computing device, the method comprising:
controlling a central processing unit;
providing using a kernel an interface between the central processing unit and an application to be executed by the central processing unit;
providing a software in a user space;
providing a virtual file system in the kernel; and
communicating using a communication interface between the software and the virtual file system.
12. The computer-readable medium of claim 11,
wherein the virtual file system comprises at least one of a ProcFS and a SysFS.
13. The computer-readable medium of claim 11,
wherein the communication interface comprises a fuse interface.
14. The computer-readable medium of claim 11,

wherein the fuse interface is provided in the kernel.

15. The computer-readable medium of claim 11,
wherein the communication interface comprises a virtual interface.
16. The computer-readable medium of claim 15,
wherein the virtual interface is provided in the user space.
17. The computer-readable medium of claim 15,
wherein the virtual interface is provided in the kernel.
18. The computer-readable medium of claim 11,
wherein information about the software is communicated using the communication interface.
19. The computer-readable medium of claim 11,
wherein the software comprises at least one of a driver for a peripheral device connectable to the computing device or an application.
20. The computer-readable medium of claim 11,
wherein the kernel is provided in a protected area of the computing device; and
wherein the user space is provided outside the kernel.
21. A computing device comprising:
a central processing unit;
a kernel configured to provide an interface between the central processing unit and an application to be executed by the central processing unit;
a software provided in a user space;
a virtual file system provided in the kernel; and
a communication interface between the software and the virtual file system.

22. The computing device of claim 21,
wherein the virtual file system comprises at least one of a ProcFS and a SysFS.
23. The computing device of claim 21,
wherein the communication interface comprises a fuse interface.
24. The computing device of claim 21,
wherein the fuse interface is provided in the kernel.
25. The computing device of claim 21,
wherein the communication interface comprises a virtual interface.
26. The computing device of claim 25,
wherein the virtual interface is provided in the user space.
27. The computing device of claim 25,
wherein the virtual interface is provided in the kernel.
28. The computing device of claim 21,
wherein the communication interface is configured to communicate information
about the software.
29. The computing device of claim 21,
wherein the software comprises at least one of a driver for a peripheral device
connectable to the computing device or an application.
30. The computing device of claim 21,
wherein the kernel is provided in a protected area of the computing device; and
wherein the user space is provided outside the kernel.