

Claims

1. A method for dynamically establishing a compatibility of file systems and access to data independent of the file system in real time, comprising:

- granting access (100) to the file system of a passive data memory for an active terminal and a modeling device (M) which is communicatively connected between the passive data memory and the active terminal;
- receiving (101) an access request from the active terminal by the modeling device (M), wherein the access request specifies access data and access operations to the passive data memory;
- recognizing (102) the file system of the passive data memory by the modeling device (M);
- selecting (103) stored access rules which are suitable for carrying out the access request in accordance with the recognized (102) file system of the passive data memory, wherein the access rules are selected such that a table is provided, which describes in the first column the file system of the active terminal, in the second column the file system of the passive data memory and a third column provides a pointer, which points to respective access rules;
- applying (104) the selected access rules to access data by the modeling device (M), which are specified by the access request; and
- performing (105) the access operations in accordance with the access request.

2. The method according to claim 1, characterized in that the granting of access (100) comprises a recognition of boot sectors, a mount process, an integration of the passive data memory in the modeling device (M), an integration of the passive data carrier in the active terminal, communicative coupling, establishing at least one plug connection, activating access, setting up access rights and / or data communication.

3. The method according to claim 1 or 2, characterized in that the active terminal has an operating system which generates the access request.

4. The method according to claim 3, characterized in that the applying (104) and performing (105) is carried out iteratively for each data stream, the operating system defining the data stream.

5. The method according to any one of the preceding claims, characterized in that the access request comprises at least one read and / or write request.

6. The method according to any one of the preceding claims, characterized in that the access request specifies payload data and / or additional data.

7. The method according to any one of the preceding claims, characterized in that access data describe file names, absolute memory addresses, relative memory addresses, file types and / or file properties.

8. The method according to any one of the preceding claims, characterized in that access operations describe read and / or write operations.

9. The method according to any one of the preceding claims, characterized in that the access rules describe modulation operations which specify how additional data of access data are to be modeled so that the access data are to be read and / or written according to the file system.

10. The method according to any one of the preceding claims, characterized in that access rules describe how to write data according to a first file system in a second file system and / or read from a second file system.

11. The method according to any one of the preceding claims, characterized in that recognizing (102) the file system comprises a recognition of boot sectors.

12. The method according to any one of the preceding claims, characterized in that performing (105) the write operations according to the access request, when a file size is limited by the file system, divides a corresponding file into at least two individual files.

13. A system arrangement for dynamic establishment of compatibility of file systems and access to data in real time independent of the file system, comprising:

- at least one interface unit arranged to grant access (100) to the file system of a passive data memory for an active terminal, and a modeling device (M) which is communicatively connected between the passive data memory and the active terminal;
- the modeling device (M) arranged to receive (101) an access request from the active terminal, the access request specifying access data and access operations to the passive data memory;
- the modeling device (M) set up to recognize (102) the file system of the passive data carrier;
- a database unit arranged to select (103) stored access rules which are suitable for carrying out the access request in accordance with the recognized (102) file system of the passive data memory, wherein the access rules are selectable such that a table is provided, which

describes in the first column the file system of the active terminal, in the second column the file system of the passive data memory and a third column provides a pointer, which points to respective access rules;

- the modeling device (M) arranged to apply (104) the selected access rules to access data which are specified by the access request; and
- the passive data memory arranged to carry out (105) the access operations in accordance with the access request.

14. Computer program product with control commands which carry out the method according to any one of claims 1 to 12 when they are executed on a computer.