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本国际公布:

— 包括国际检索报告(条约第 21 条(3))。

(54) Title: METHOD, FIREWALL, TERMINAL AND READABLE STORAGE MEDIUM FOR IMPLEMENTING SECURITY PROTECTION

(54) 发明名称: 实现安全防护的方法、防火墙、终端及可读存储介质

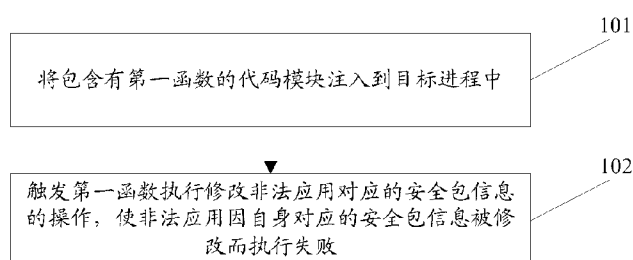


图 1 /Fig.1

101 INSERTING TO AN OBJECT PROCESS A CODE MODULE INCLUDING A FIRST FUNCTION

102 TRIGGERING THE FIRST FUNCTION TO PERFORM THE OPERATION OF MODIFYING THE SECURITY PACKAGE INFORMATION CORRESPONDING TO AN ILLEGAL APPLICATION, AND SO THAT THE ILLEGAL APPLICATION IS EXECUTED UNSUCCESSFULLY DUE TO THAT THE CORRESPONDING SECURITY PACKAGE INFORMATION IS MODIFIED

(57) Abstract: A method, firewall, terminal and readable storage medium for implementing security protection are disclosed and the present invention belongs to the field of computer. The method comprises: a firewall inserts to an object process a code module including a first function, and the first function is used for modifying the security package information corresponding to an illegal application; the firewall triggers the first function to perform the operation of modifying the security package information corresponding to the illegal application, and so that the illegal application is executed unsuccessfully due to that the corresponding security package information is modified. The present invention enables a terminal without an iptable/netfilter module to implement a firewall function without the problem of compatibility and limitation of firmware versions by means of inserting to a object process a code module with the function of modifying security package information, modifying the security package information corresponding to the illegal application, and resulting in the unsuccessful execution of the illegal application due to that the corresponding security package information is modified.

(57) 摘要:

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本发明公开了一种实现安全防护的方法、防火墙、终端及可读存储介质，属于计算机领域。所述方法包括：防火墙将包含有第一函数的代码模块注入到目标进程中，所述第一函数用于修改非法应用对应的安全包信息；所述防火墙触发所述第一函数执行修改非法应用对应的安全包信息的操作，使所述非法应用因自身对应的安全包信息被修改而执行失败。本发明通过将具有修改安全包信息功能的代码模块注入到目标进程中，对非法应用对应的安全包信息进行修改，使非法应用因自身对应的安全包信息被修改而执行失败，使得终端在不具有 iptable/netfilter 模块的情况下也可以实现防火墙功能，并且不存在兼容性问题，不受固件版本的限制。