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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MANAGING ACCESS PRIVILEGE IN CLDC OSGI ENVIRONMENT

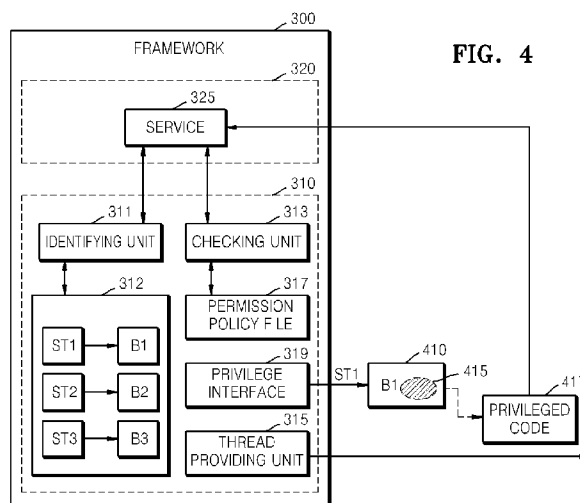


FIG. 4

(57) Abstract: Provided are a method and apparatus for managing an access privilege of an application in a Connected Limited Device Configuration (CLDC) and Open Service Gateway initiative (OSGi) environment. The method includes: marking a privileged code in the application; executing the privileged code in a secured thread having a unique thread identifier; identifying the privilege code by mapping the unique thread identifier with an application identifier from a mapping table; checking a permission policy file to determine what kind of resource access privilege the identified privileged code has; and permitting the application to access the resources according to the determination results. Accordingly, when an application tries to access resources in a framework, an access privilege of the application can be managed so that no applications can maliciously access the resources by identifying the application by using the mapping table and checking the security policy file of the identified application.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

e-KIPASS(KIPO internal) "privilege", "access", "application", "virtual machine"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/0200668 A1 (Jean Hybre, et al.) 07 SEPTEMBER 2006 See abstracts, claims 1 - 13, figures 1 - 2	1 - 15
A	US 7146307 B2 (Darryl Moeck) 05 DECEMBER 2006 See abstracts, claims 1 - 9, figures 5 - 7	1 - 15
A	US 7076637 B2 (Brian Harold Kelley, et al.) 11 JULY 2006 See abstracts, claims 1 - 7, figures 2 - 3	1 - 15
A	US 6308274 B1 (Michael M. Swift) 23 OCTOBER 2001 See abstracts, claims 1 - 10, figures 3 - 4	1 - 15



Further documents are listed in the continuation of Box C.



See patent family annex.

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