

Title (en)

APPARATUS AND METHOD FOR LIGHTWEIGHTING APPLICATION THROUGH DUPLICATED APPLICATION MANAGEMENT IN OSGI MIDDLEWARE ENVIRONMENT OF EMBEDDED TERMINAL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM LIGHTWEIGHTING EINER ANWENDUNG DURCH DUPLIZIERTE ANWENDUNGSVERWALTUNG IN DER OSGI-MIDDLEWARE-UMGEBUNG EINES EINGEBETTETEN ENDGERÄTS

Title (fr)

APPAREIL ET PROCÉDÉ D'ALLÈGEMENT D'APPLICATION PAR GESTION D'APPLICATION DÉDOUBLÉE EN ENVIRONNEMENT DE LOGICIEL MÉDiateur OSGI DE TERMINAL IMBRIQUÉ

Publication

EP 2069960 A1 20090617 (EN)

Application

EP 07768545 A 20070629

Priority

- KR 2007003174 W 20070629
- KR 20060089261 A 20060914

Abstract (en)

[origin: WO2008032922A1] Provided is an apparatus and method for lightweighting an application through duplicated application management in an Open Service Gateway Initiative (OSGi) middleware environment of an embedded terminal including at least one OSGi service bundle and native module operating based on an OSGi framework. The apparatus includes: a linker providing an interface to the OSGi service bundle for implement duplication of the application when executing the application and exchanging a message, which is required to execute the application, with an integrated manager connecting to the native module; the integrated manager providing the interface to implement duplication of the application and exchanging the message with the linker; and a determiner determining whether a native module related to the OSGi service bundle exists and executes an application according to the OSGi service bundle and removes the application if it is determined that the native module exists or determining application execution through the message exchange between the linker and the integrated manager if it is determined that the native module does not exist. Accordingly, by duplicating application management using a linker and an integrated manager unlike a conventional OSGi middleware, an application can be lightweighted by being separately implemented as modules optimized to each environment.

IPC 8 full level

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CPC (source: EP KR)

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