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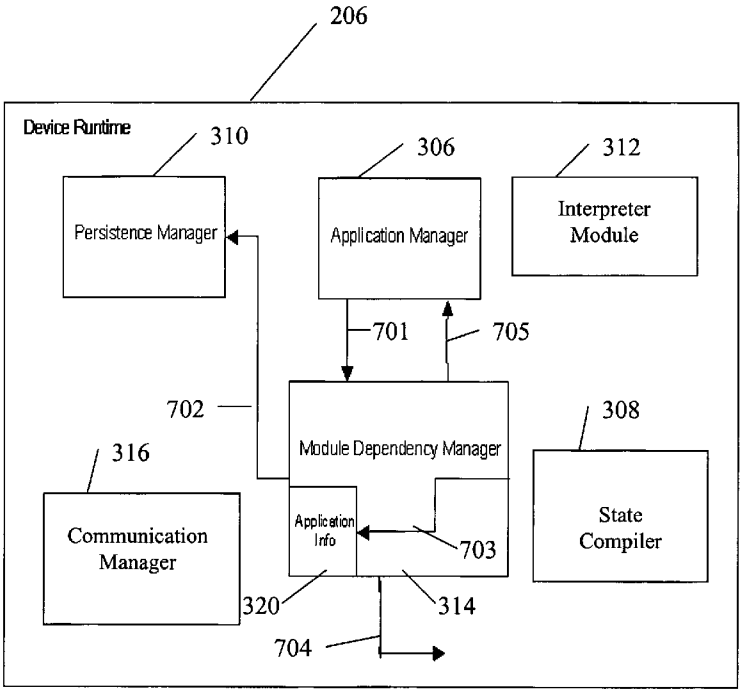
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(54) Title: SYSTEM AND METHOD FOR FLEXIBLE APPLICATION HOSTING ON A WIRELESS DEVICE



(57) Abstract: Applications are generally represented in different forms as suits the environment in which they are evaluated. One disadvantage is that the processor of a device executing the application cannot recognize human readable form and therefore produces a complied machine readable format. In order to permit evaluation by a machine the original application content must be subjected to a conversion process, by which the representation of the application content can grow in size. In this state the content requires additional overhead in terms of storage space, but provides the better performance for execution. A system and method of dynamically hosting an application program on a wireless device. The application content is partitioned into a plurality of module envelopes, each of the module envelopes having a portion of the modules comprising the application. The method comprises initializing the loading of the application including referencing an application information structure, such that the structure comprises relational information of the module envelopes. The method selects one of the module envelopes from the plurality of the module envelopes according to the relational information. The method also configures a state of the selected module envelope according to a predefined envelope state, the envelope state being selected from a set of envelope states including at least two of a raw state, an offline state, and an executable state. The method also provides the configured module envelope to an application manager for changing the configuration of the application on the device according to the configured module envelope.

WO 2005/031574 A2

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