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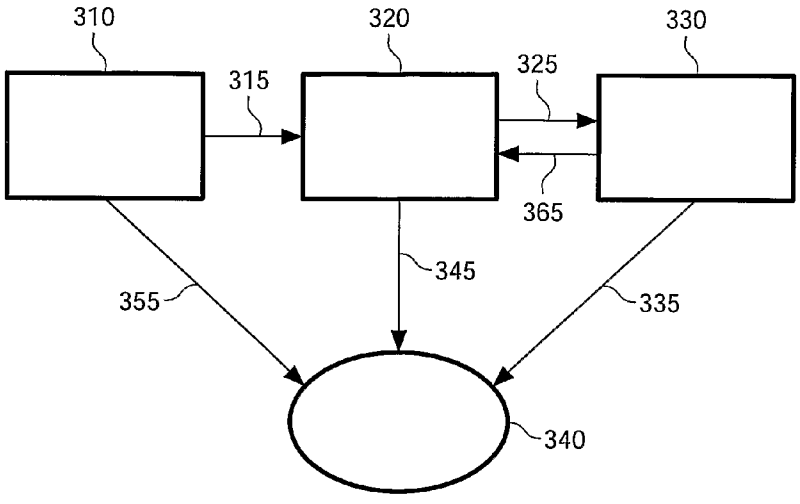
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(54) Title: JAVA LIFECYCLE MODEL FOR BD-DISCS



(57) Abstract: An optical storage carrier is loaded with applications implemented as Java objects that enable interactive services, e.g. gaming, interactive A/V content playback, web browsing. Each Java object includes at least three methods for setting the application in an inactive state, a paused state or an active state. The carrier is also loaded with a loader application that includes a main method. The loader application controls the respective lifecyles of all Java objects present on the carrier and controls the respective methods of the Java objects. The loader application only permits one Java object to run at a time. The lifecyle of the loader application is linked to the disc and the loader application is loaded in memory when the disc is inserted in the device and killed when the disc is removed. The device runs a Java virtual machine on top of which the loader application is configured to run. Since the lifecyle of the loader application is linked to the disc, the Java virtual machine runs for the time the disc is inserted into the device and is not killed when a Java object is either paused or killed.

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