

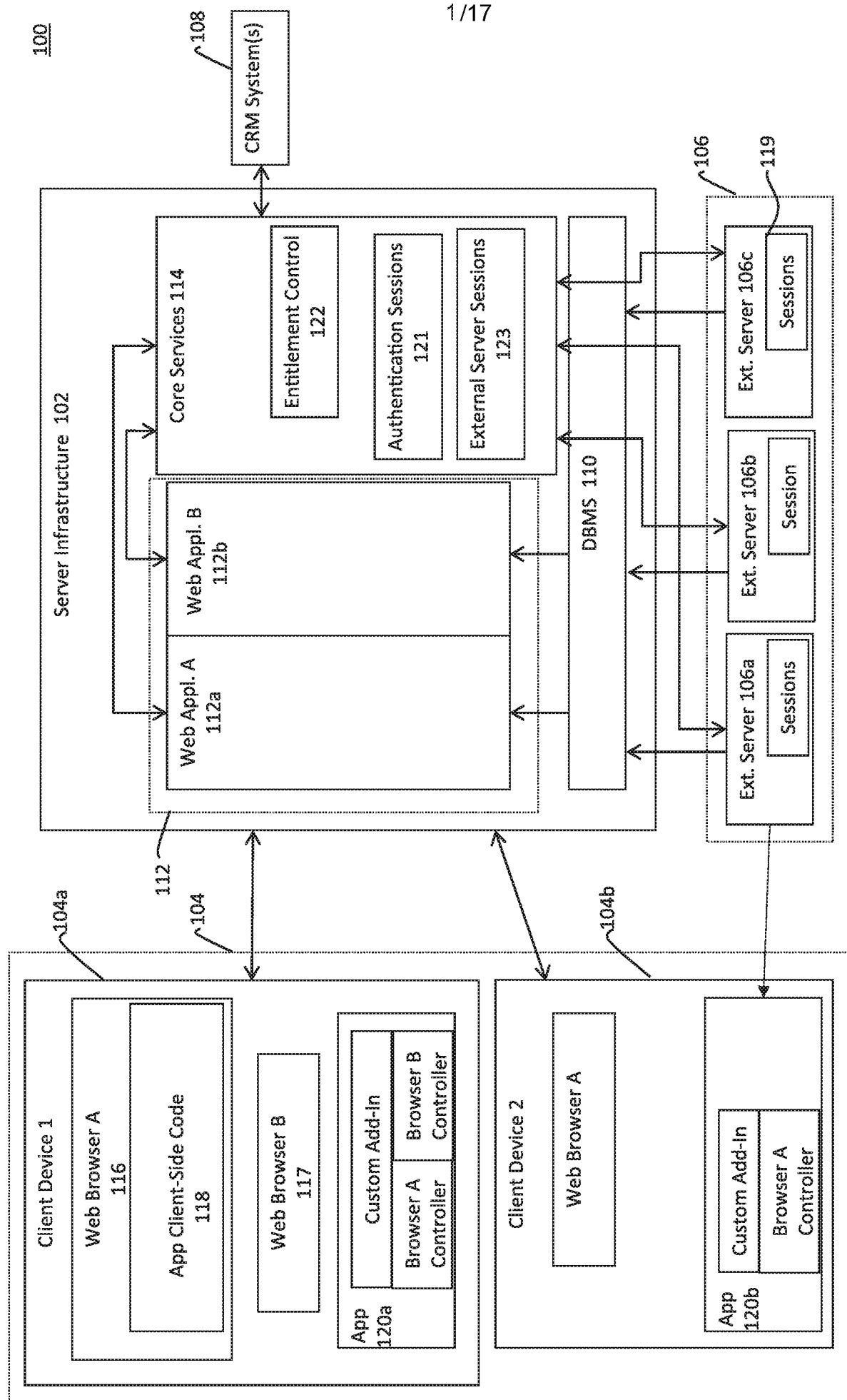


FIGURE 1

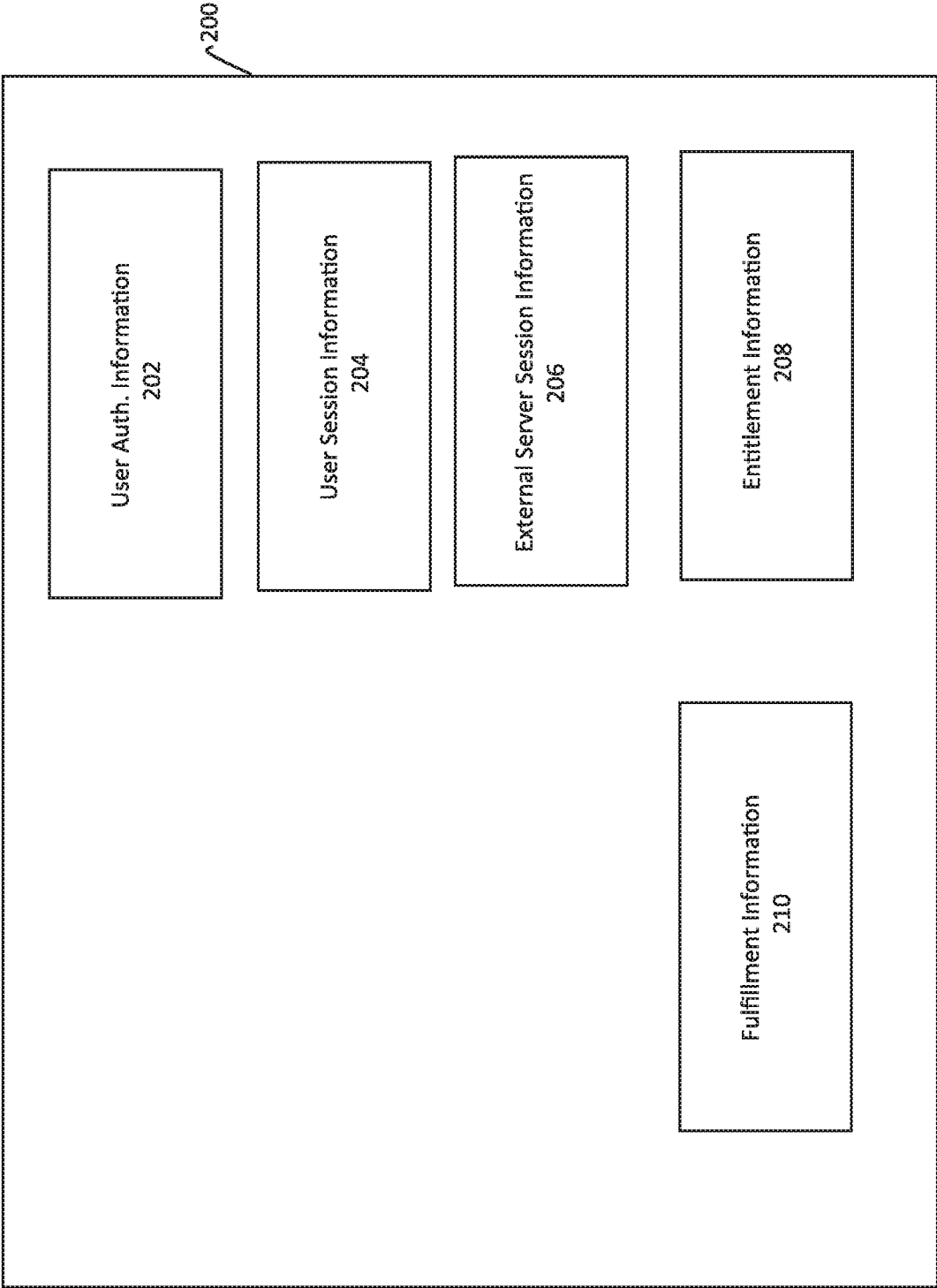


FIGURE 2

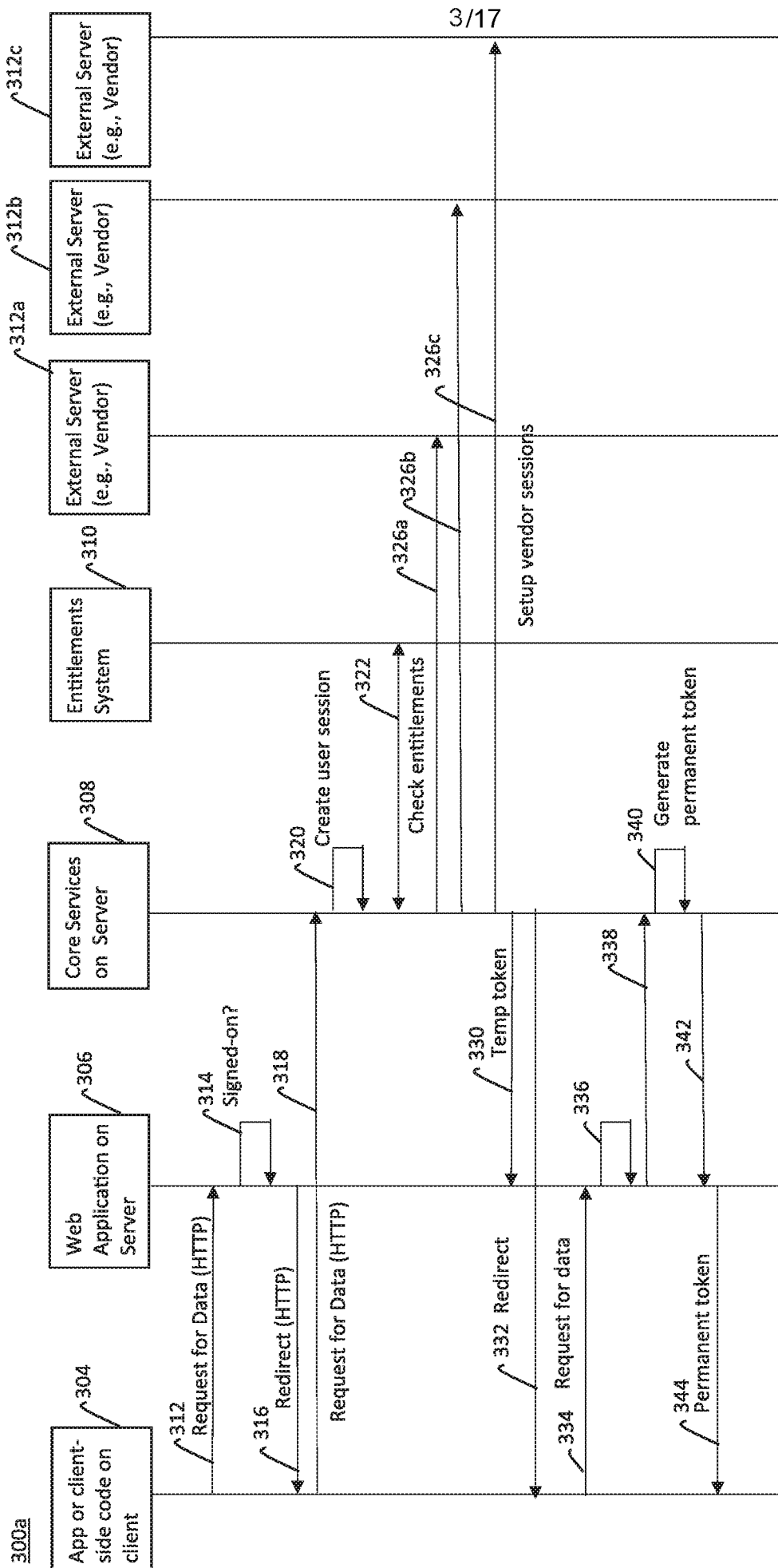


FIGURE 3A

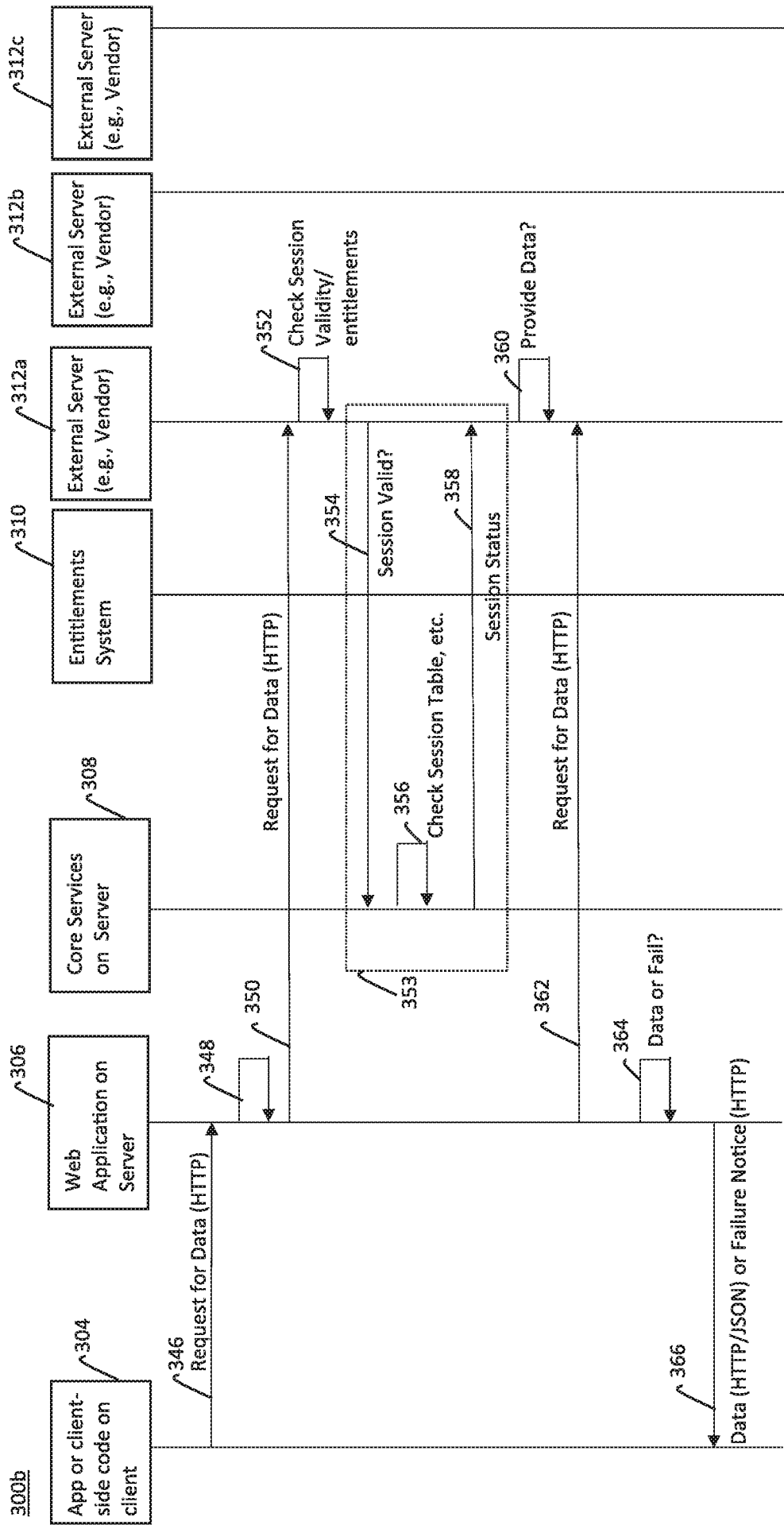
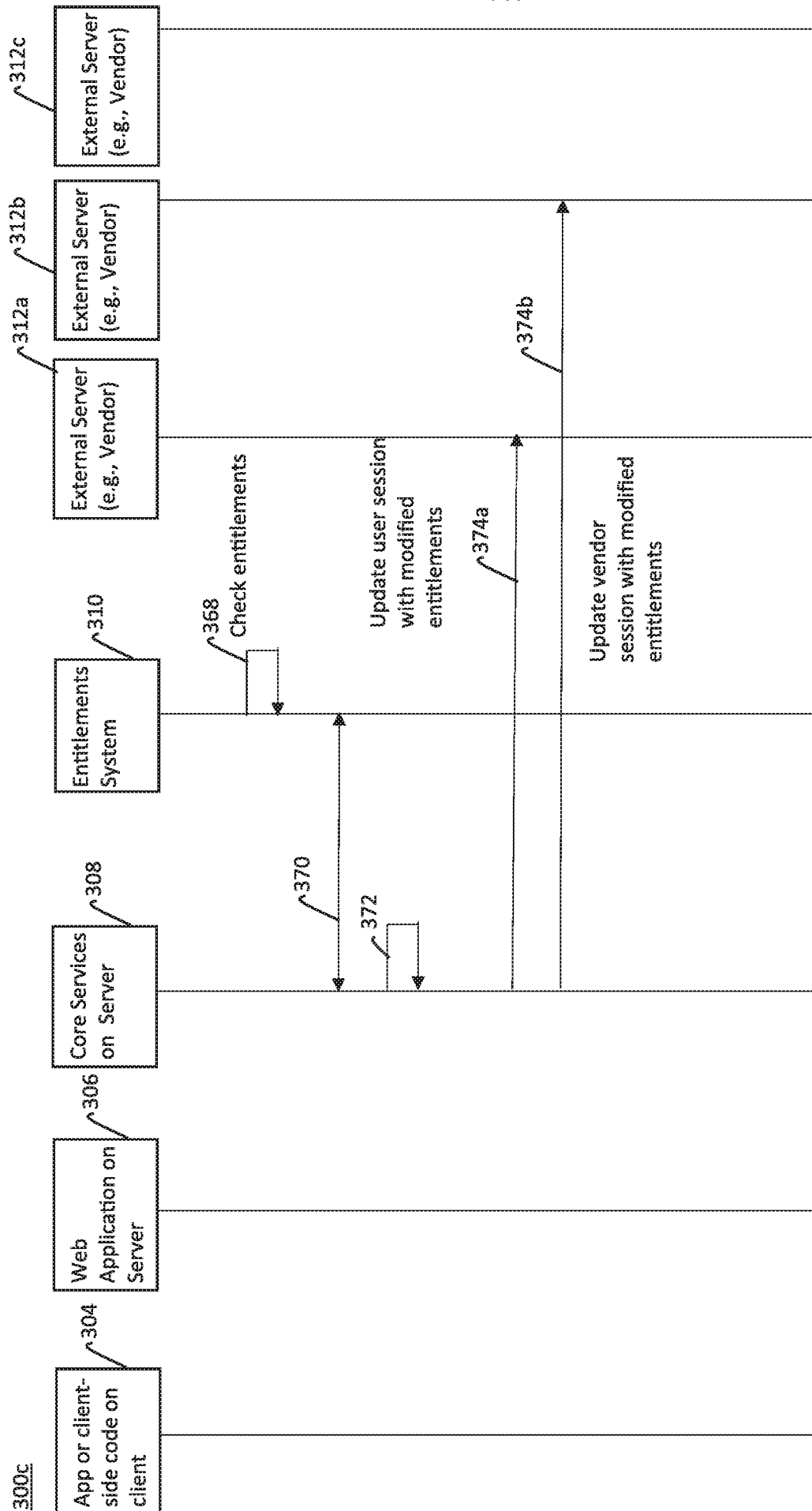


FIGURE 3B

5/17



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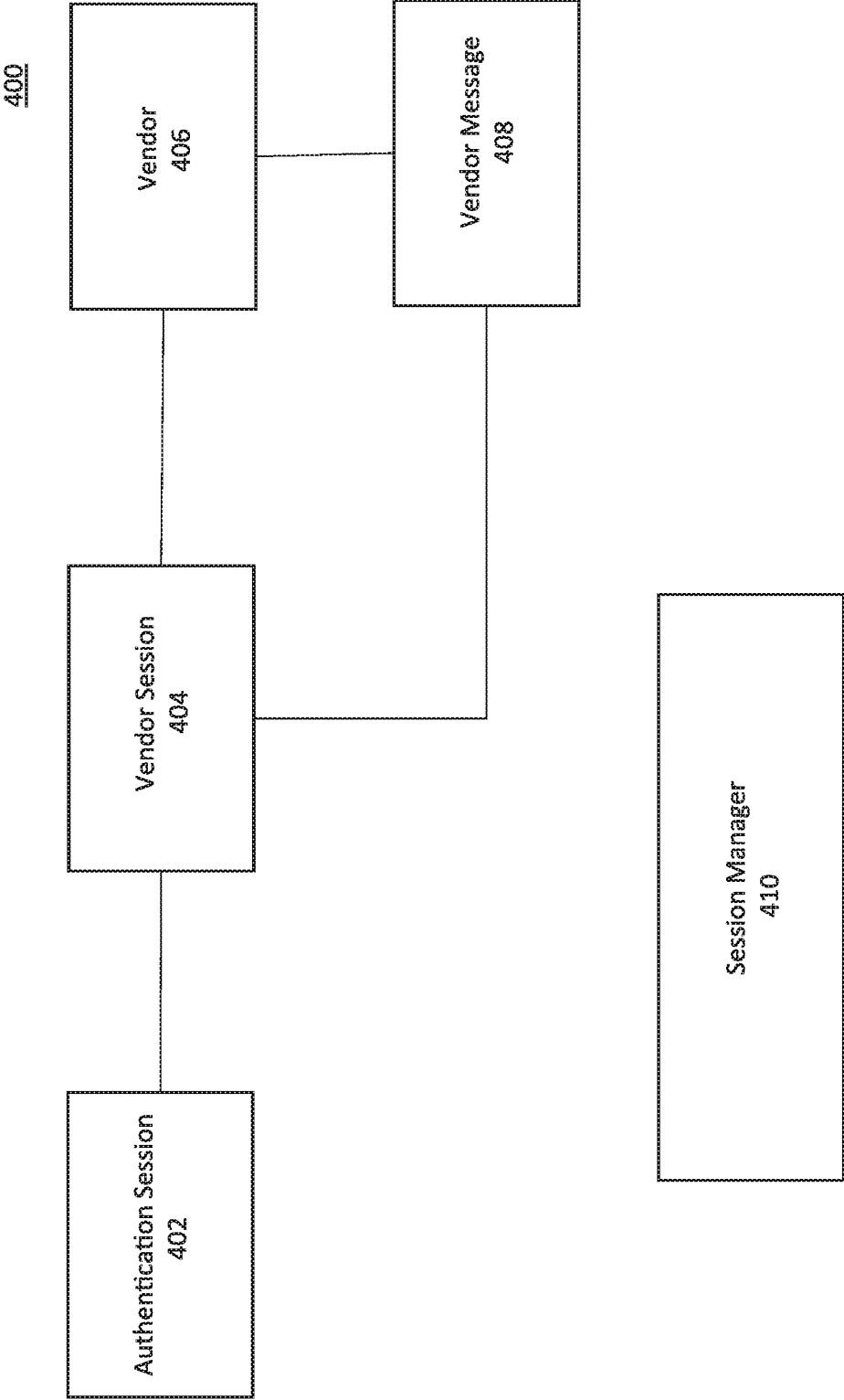


FIGURE 4A

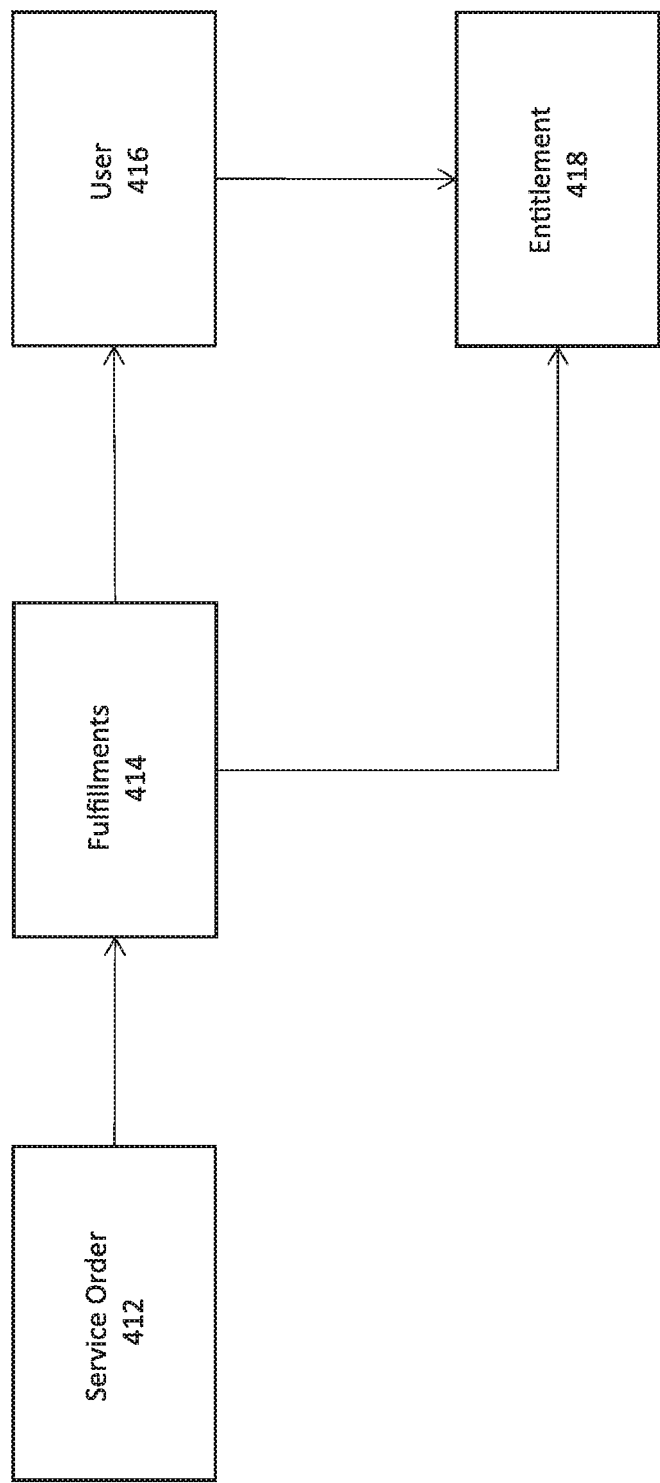


FIGURE 4B

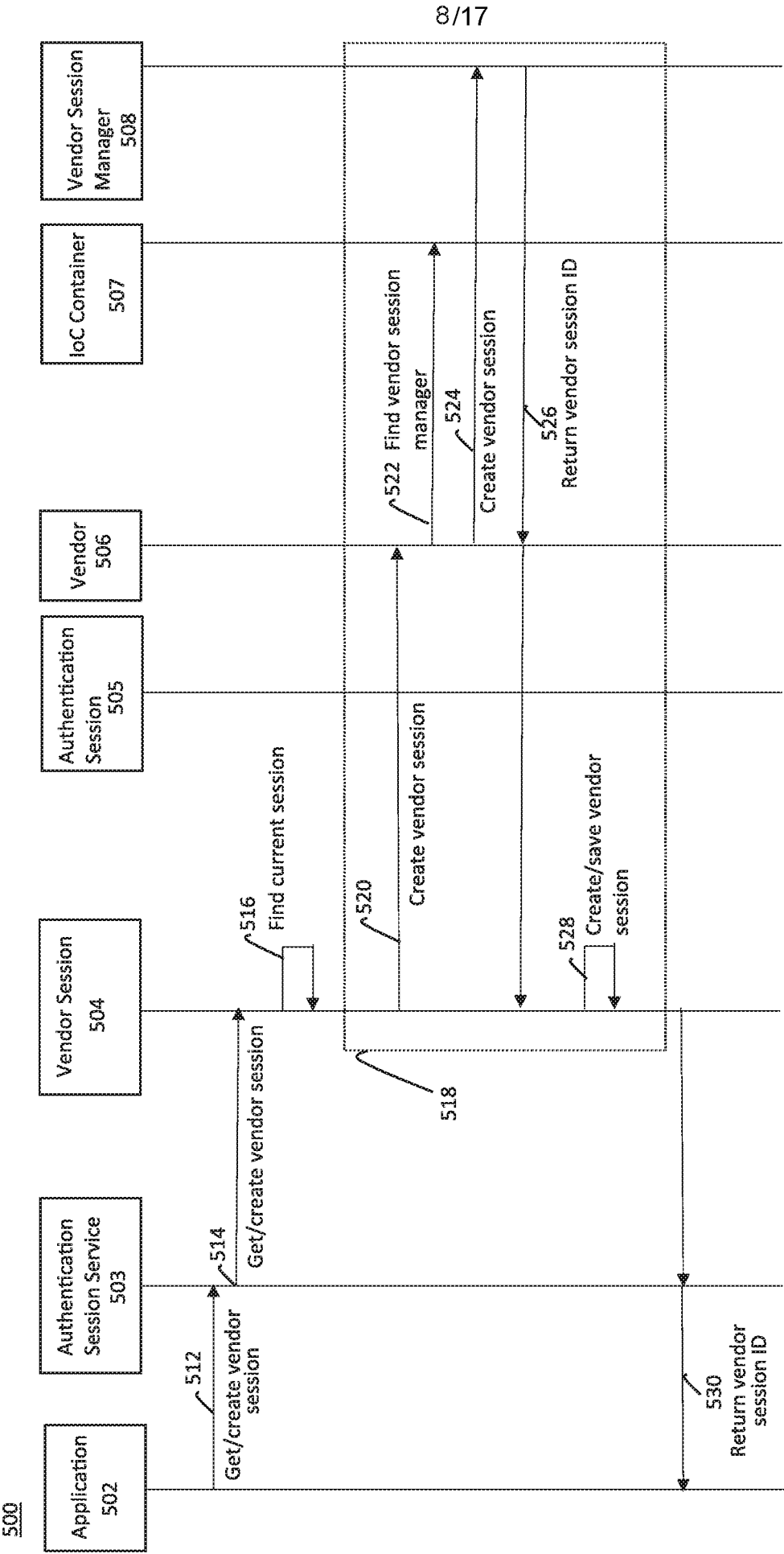


FIGURE 5

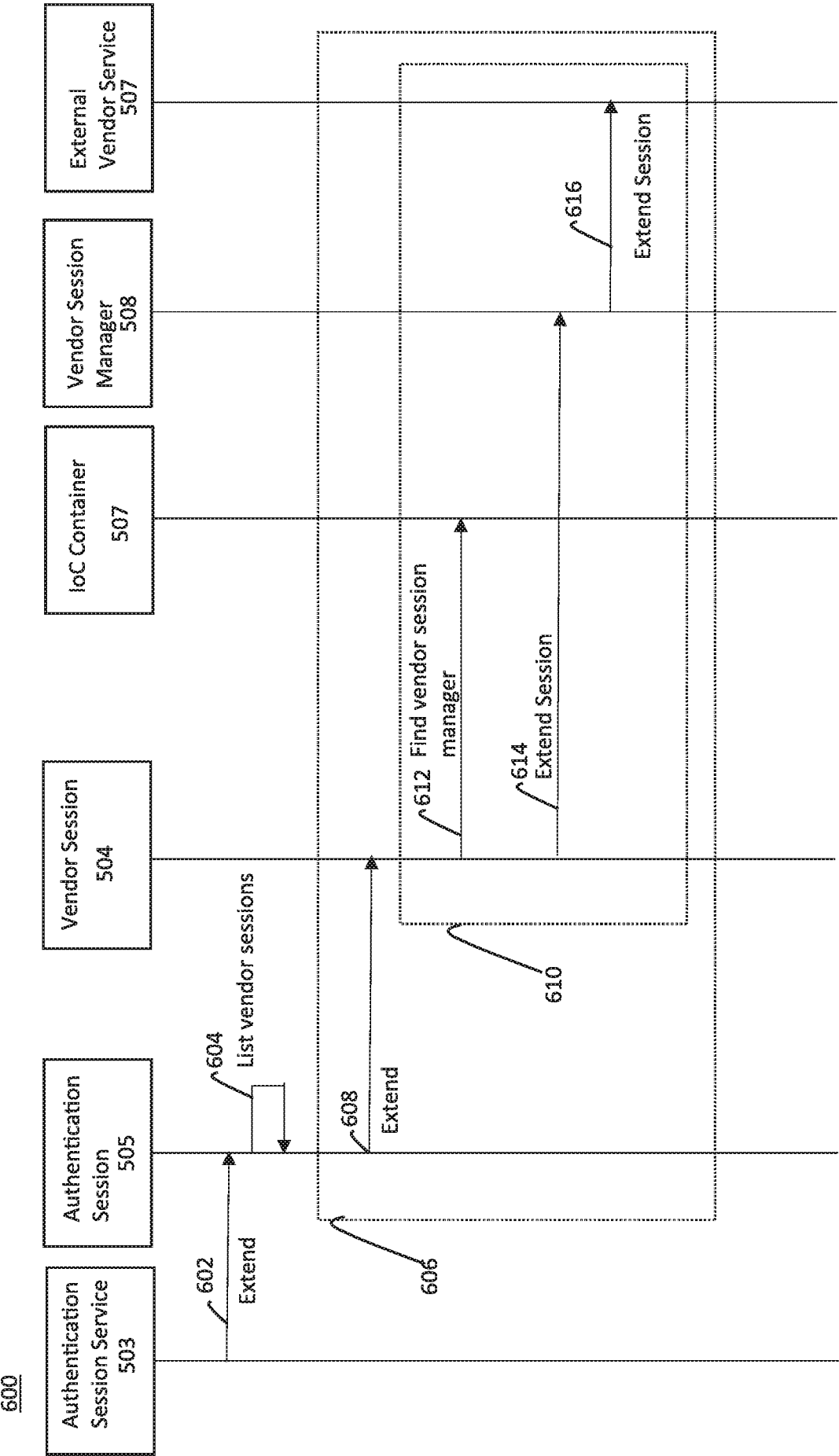


FIGURE 6

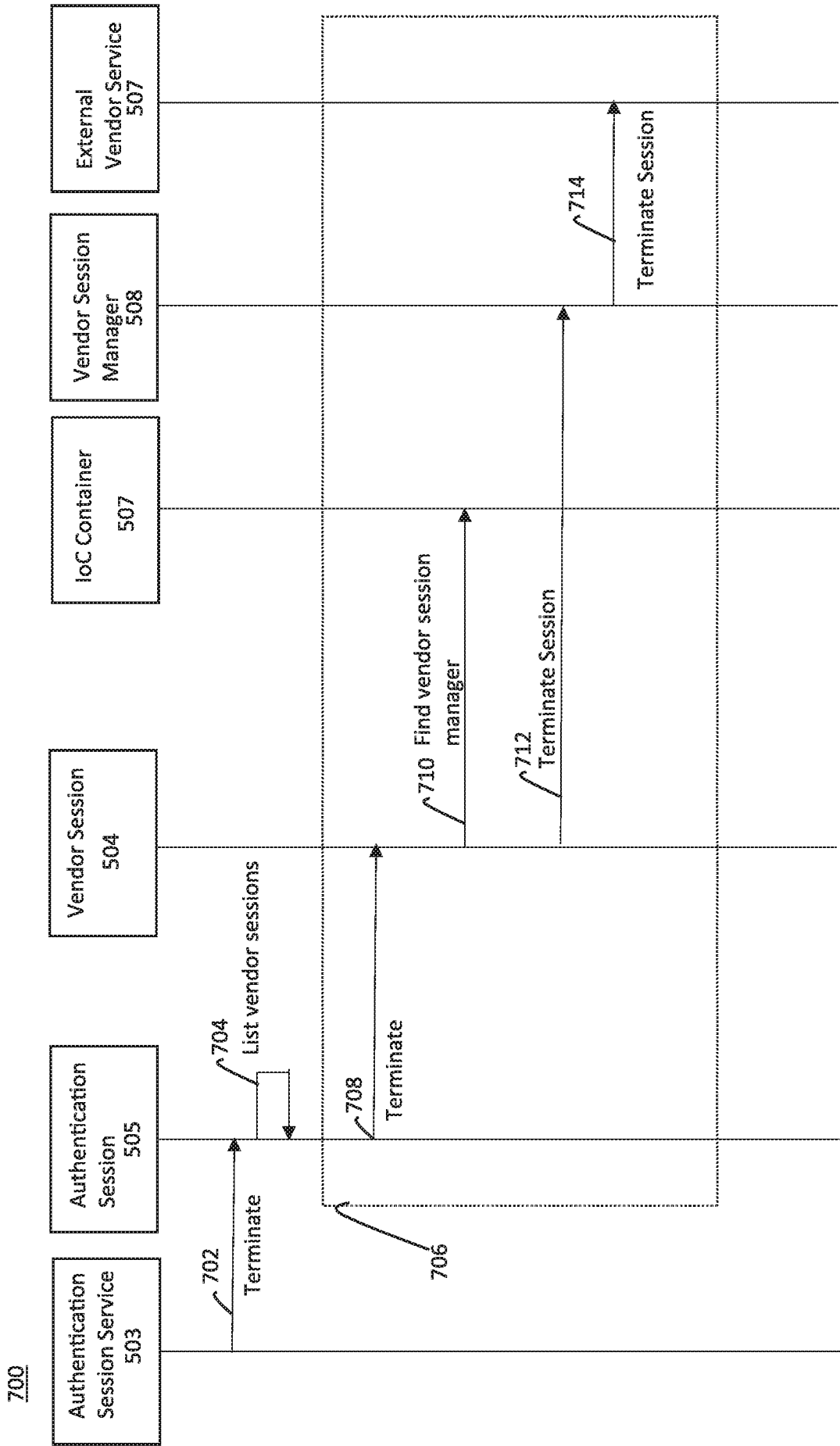


FIGURE 7

11/17

```
public virtual void Install(IWindsorContainer container, IConfigurationStore store)
{
    container.Register(
        Component.For<IVendorSessionManager>().ImplementedBy<ModSessionManager>()
            .Named(ModSessionManager.MOD_VENDOR_NAME),
        ...
    );
}
```

FIGURE 8

12/17

```

/// <summary>
/// Finds a Vendor session for a vendor with given name. If active session is not found, new session can be created.
/// </summary>
/// <param name="authSessionId">
/// Authentication Session Id of an Active authenticated session to create vendor session for.
/// If active Authentication session with given Id is not found, exception is thrown.
/// </param>
/// <param name="vendorName">
/// The name of the vendor to create session for. If implementation of the IVendorSessionManager with
/// this name is not found, the method fails.
/// </param>
/// <param name="createIfNotFound">
/// if <true>/c> and active Vendor session for given Authentication session is not found, new one is
/// created. Otherwise, if session is not found, returns <null>/c>.
/// </param>
/// <param name="extendDuration">
/// If <true>/c> and existing session is found, the duration of the session is extended by the current session duration.
/// </param>
/// <param name="duration">
/// The duration in seconds for the session to create. If it is not provided or 0, default duration for the vendor is used.
/// It is only used when new session is created. It is not possible to change duration for existing session.
/// </param>
/// </returns>
/// The model with VendorSession information
/// </returns>
[OperationContract]
[FaultContract(typeof (BaseApplicationFault))]
VendorSessionModel FindVendorSession(string authSessionId, string vendorName, bool createIfNotFound = true,
    bool extendDuration = true, int duration = 0);

```

FIGURE 9A

```

/// <summary>
/// Terminates a Vendor session for a vendor with given name associated with given authentication session id.
/// If active session is not found, this method returns <null>/c>.
/// </summary>
/// <param name="authSessionId">
/// Authentication Session Id of an Active authenticated session to terminate vendor session for.
/// If active Authentication session with given Id is not found, exception is thrown.
/// </param>
/// <param name="vendorName">
/// The name of the vendor to terminate session for. If implementation of the IVendorSessionManager with
/// this name is not found, the method fails.
/// </param>
/// <returns>
/// The model with terminated VendorSession information if found
/// </returns>
[OperationContract]
[FaultContract(typeof(BaseApplicationFault))]
VendorSessionModel TerminateVendorSession(string authSessionId, string vendorName);

```

FIGURE 9B

```

/// <summary>
///     Updates entitlements of a Vendor session for a vendor with given name.
///     If active session is not found returns null.
/// </summary>
/// <param name="authSessionId">
///     Authentication Session Id of an Active authenticated session to update vendor session entitlements for.
///     If active Authentication session with given Id is not found, exception is thrown.
/// </param>
/// <param name="vendorName">
///     The name of the vendor to update entitlements for. If implementation of the IVendorSessionManager with
///     this name is not found, the method fails.
/// </param>
/// <returns>
///     The model with VendorSession information
/// </returns>
[OperationContract]
[FaultContract(typeof (BaseApplicationFault))]
VendorSessionModel UpdateVendorSessionEntitlements(string authSessionId, string vendorName);

```

FIGURE 9C

```

/// <summary>
///     Returns the session info loaded from vendor.
///     Includes up to date information about the session loaded from vendor.
/// </summary>
/// <param name="authSessionId">
///     Authentication Session Id of an Active authenticated session to update vendor session entitlements for.
///     If active Authentication session with given Id is not found, exception is thrown.
/// </param>
/// <param name="vendorName">
///     The name of the vendor to update entitlements for. If implementation of the IVendorSessionManager with
///     this name is not found, the method fails.
/// </param>
/// <returns>
///     The vendor status loaded directly from vendor.
/// </returns>
[OperationContract]
[FaultContract(typeof (BaseApplicationFault))]
string GetVendorSessionInfo(string authSessionId, string vendorName);

```

FIGURE 9D

```

/// <summary>
///     Creates a new Vendor session to be used for API calls to retrieve data on behalf of a given user.
///     It also creates an Authentication session for the user and given site Id.
/// </summary>
/// <param name="userId">
///     The UNID of user to create Vendor session for.
/// </param>
/// <param name="vendorName">
///     The name of the vendor to create session for. If implementation of the IVendorSessionManager with
///     this name is not found, the method fails.
/// </param>
/// <param name="siteId">
///     The Site Id used to create Authentication Session
/// </param>
/// <param name="duration">
///     The duration in seconds for the session to create. If it is not provided or 0, default duration for
///     the vendor is used. It is only used when new session is created. It is not possible to change duration
///     for existing session.
/// </param>
/// <param name="entitlementsFilter">
///     The optional filter for entitlements. If not <null>, only entitlements included in this list
///     are sent to vendor when creating session. Use Vendor entitlement codes in this filter.
/// </param>
/// <returns>
///     The model with VendorSession information
/// </returns>
[OperationContract]
[FaultContract(typeof (BaseApplicationFault))]
VendorSessionModel CreateApiVendorSession(long userId, string vendorName, string siteId, int duration,
string entitlementsFilter)

```

FIGURE 9E

1000

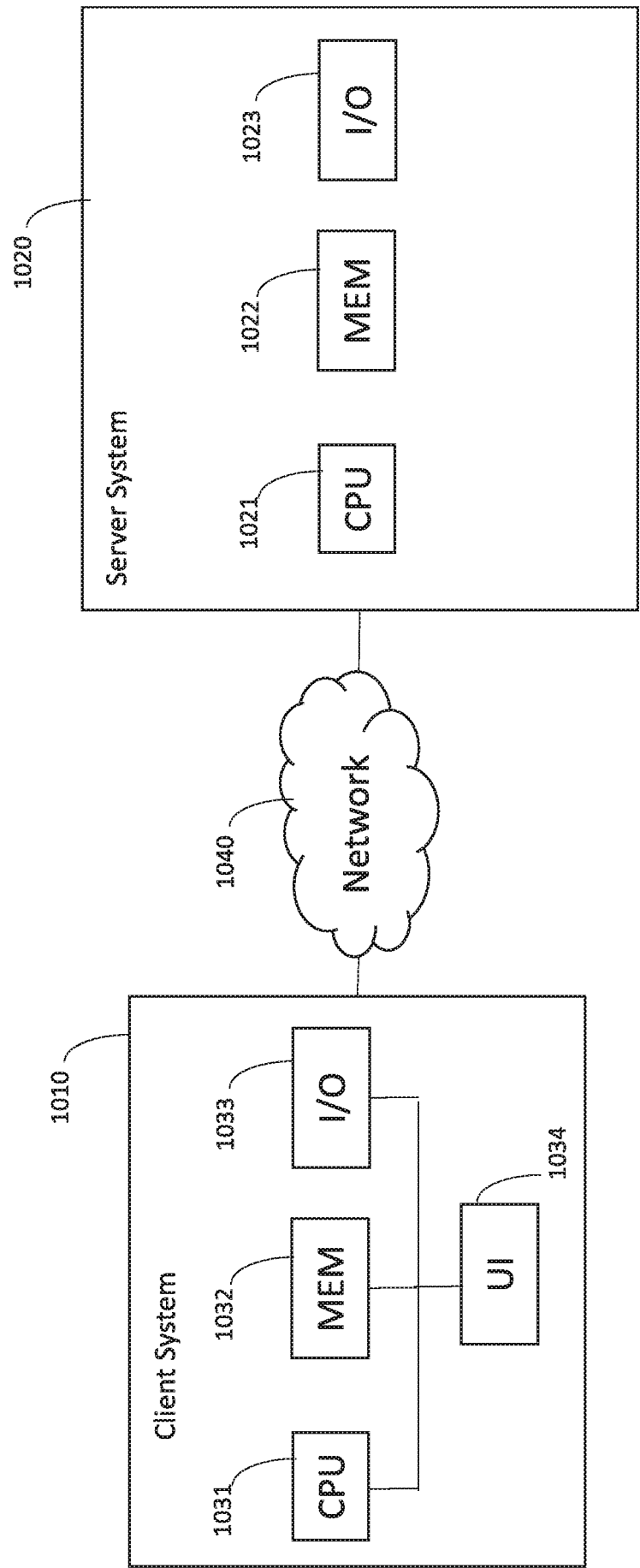


FIGURE 10