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(54) **DEVICE DISPLAY OBJECT INFRASTRUCTURE**

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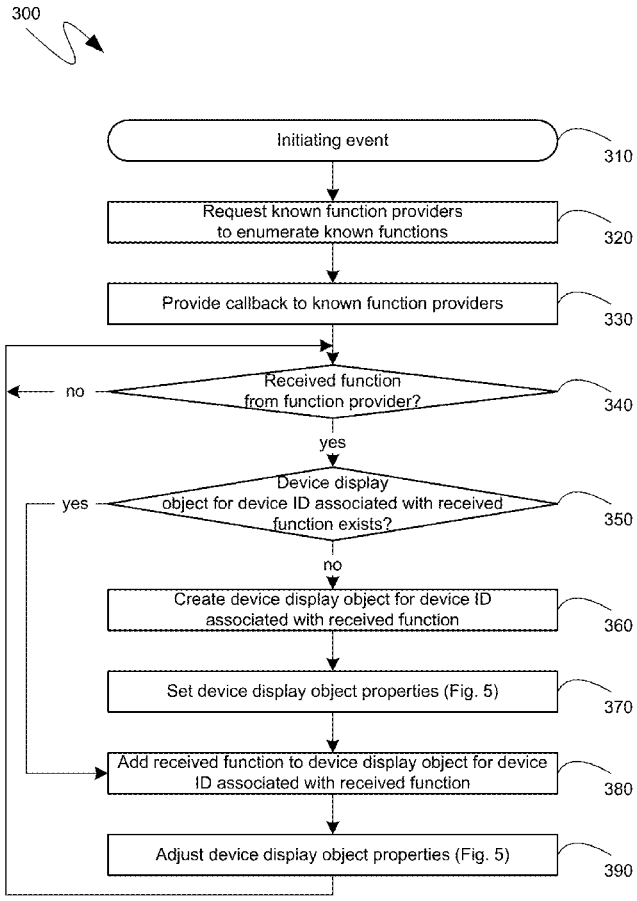
(57) **ABSTRACT**

Multi-function devices expose multiple functions to device drivers or other lower-level software. Device function providers can interface with such drivers or lower-level software and can provide information, including device identifiers regarding such functions, to a device display object infrastructure. A device display object can then be created that encompasses one or more functions such that, in one embodiment, the device display object corresponds to a single, physical multi-function device. Alternatively, any combination of functionality from one or more physical devices can be combined into a single device display object representing a virtual multi-function device. Properties of the device display object can be set with reference to user-specified settings, remotely maintained metadata, locally available metadata, and information associated with each function. Functions can be ranked such that, if there is a conflict, information from more highly ranked functions is used to set the properties of the device display object.