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(54) Title: ENABLING ISOLATED DEVELOPMENT MODE IN UTILITY END POINTS

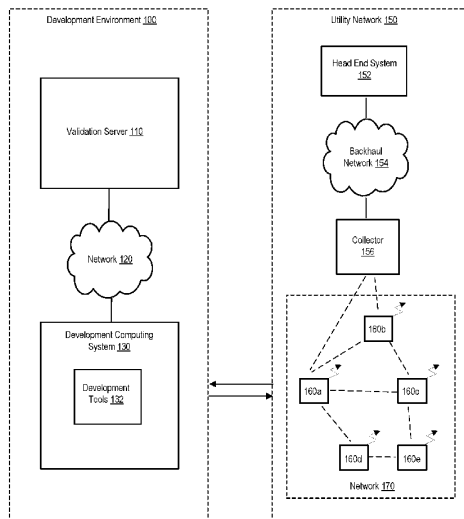


FIG. 1

(57) Abstract: Techniques are disclosed for software development on utility devices. In an example, a utility device, responsive to validating a manufacturer signature, transitions to an isolated development mode. When in the isolated development mode, the utility device is restricted from joining a network and receives an application from a development computing system. The utility device validates a network signature and transitions to a network testing mode. When in the network testing mode, the utility device joins the network, registers with a head end system via the network, and executes the application. After a threshold amount of time has lapsed the utility device transitions to the isolated development mode.

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