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(54) Title: EFFICIENCY IMPROVEMENTS IN FIRMWARE UPDATES FOR LARGE DEPLOYMENTS

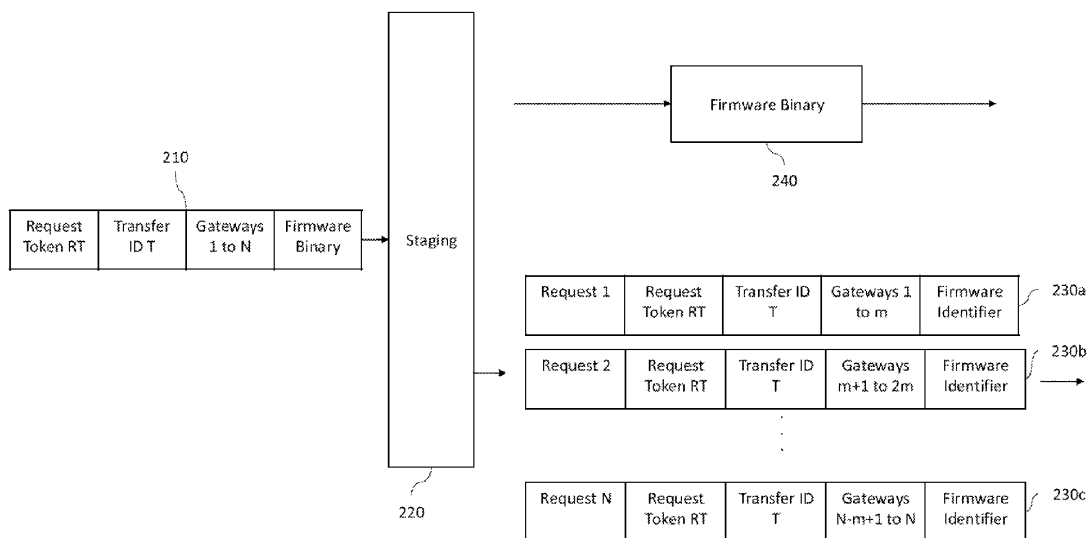


Figure 2A

(57) Abstract: A central control system initiates a single operation, to cause the firmware update to be applied across the network by providing multiple requests to different servers, where the network is divided by each request specifying a unique set of gateways. Each of the servers supplies packets comprising the firmware update to the set of gateways identified by the request received from the control system, where those packets comprise the same transfer identifier (i.e. the same identifier for the firmware update process). Each endpoint receives packets from a gateway. Since those packets comprise the same transfer identifier, if an endpoint migrates between gateways, the endpoint will still receive packets having the same transfer identifier, which will, therefore not be dropped.

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