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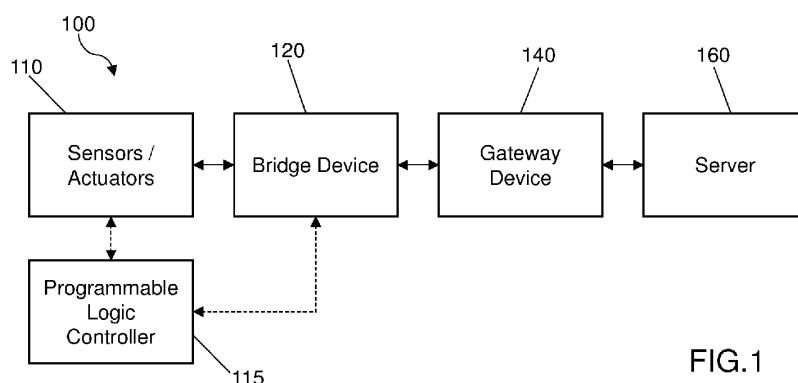


FIG.1

(57) Abstract: Gateway and bridge devices for internet of things systems are described. The gateway device is configured to communicate with a server using signals encrypted according to a first encryption protocol and to communicate with bridge device using signals encrypted with a second protocol. The bridge device is configured to decrypt the signals received from the gateway device and to communicate with sensors and actuators. The bridge device is further configured to encrypt data signals from the sensors for sending to the gateway device.