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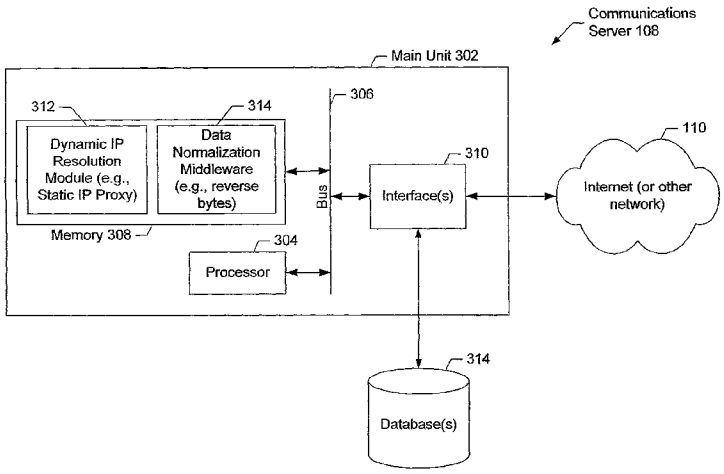
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(54) Title: METHODS AND APPARATUS FOR MACHINE-TO-MACHINE COMMUNICATIONS



(57) Abstract: Methods and apparatus for machine-to-machine communications are disclosed. A communications server provides a way for application servers on the Internet to communicate with a plurality of physically remote devices that do not have "traditional" Internet connections. Communications between an application server and its remote devices are normalized by the communications server so that the need for a variety of wired and wireless protocols remains transparent to the application server. In addition, the application server may initiate communications with remote devices using dynamic IP addresses, because the communications server discovers dynamic IP addresses using a non-IP based protocol.

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