

System And Method For Assigning A Network Address To A Wireless Device

ABSTRACT

A system for assigning a network address to a wireless device includes a network
5 server, a virtual device manager, and an address resolution (AR) module. In one
embodiment, the system is operable to push information from an information source within
a computer network to the wireless device. In this embodiment, the network server is
coupled to the computer network, and is operable to receive a network identification for the
wireless device from the information source and return a network address associated with
10 the wireless device to the information source. The virtual device manager is also coupled to
the computer network, and may be accessed on the computer network using any of a
plurality of network addresses, including the network address associated with the wireless
device. The AR module is coupled to the virtual device manager, and is operable to receive
the network address associated with the wireless device and determine an identification of
15 the wireless device within a wireless network. In operation, the virtual device manager
receives information from the information source that is transmitted from the information
source to the virtual device manager using the network address associated with the wireless
device, and accesses the AR module to determine the identification of the wireless device
within the wireless network. The information is then transmitted to the wireless device via
20 the wireless network using the identification of the wireless device within the wireless
network.

(Figure 1)