

## **DELIVERY OF DATA OVER WLAN COUPLED TO 3GPP**

### **ABSTRACT**

Method and apparatus for delivering voice/data services within a piconet operating over a limited range or over a WLAN (1803) communicating with 3GPP devices by reformatting data into IP format before delivering to the WLAN (1803). The service is Short Message Service (SMS) (102). Upon receipt of the SMS message, relevant routing information is retrieved. A PDGW (1805) address for the SMS message is identified and sent to the PDGW address which identifies the WLAN use equipment (UE) (1801) for receiving the SMS and reformats the SMS message into IP format for delivery to the UE. A protocol architecture is provided for SMS delivery over WLANs, in particular, for UMTS/CDMA based SMS over WLAN (1803) through two alternative mechanisms: SMS tunneling and SMS proxy, for protocols for the delivery of SMS across the WLAN (1803).

Figure 7