

CLAIMS**What is Claimed:**

1. A method implemented in a first wireless transmit/receiver unit (WTRU), the method comprising:
 - receiving a sidelink (SL) grant using a Uu;
 - transmitting SL data to a second WTRU based on the SL grant;
 - determining a value of a timer, wherein the timer defines an active time based on one or more attributes of the SL data; and
 - monitoring, during the active time, for a PDCCH transmission associated with the Uu.
2. The method of claim 1, wherein the timer is an inactivity timer.
3. The method of claim 1, wherein the timer is a retransmission timer.
4. The method of claim 3, wherein the retransmission timer is started upon reporting a SL HARQ feedback over Uu.
5. The method of claim 4, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the last grant for retransmission of the same PDU.
6. The method of claim 4, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the HARQ feedback associated with the last grant for retransmission of the same PDU.
7. The method of claim 4, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the retransmission timer was stopped for the last grant for retransmission of the same PDU.
8. The method of claim 1, wherein a WTRU resets the timer each time the WTRU receives an additional SL grant.
9. The method of claim 1, wherein one attribute of the SL data is a function of the remaining PDB of the SL data.

10. A first wireless transmit/receive unit (WTRU), comprising:
 - a receiver, a transmitter, and a processor;
 - wherein the receiver is configured to receive a sidelink (SL) grant using a Uu;
 - wherein the processor and transmitter are configured to:
 - transmit SL data to a second WTRU based on the SL grant;
 - determine a value of a timer, wherein the timer defines an active time based on one or more attributes of the SL data; and
 - monitor, during the active time, for a PDCCH transmission associated with the Uu.
11. The WTRU of claim 10, wherein the timer is an inactivity timer.
12. The WTRU of claim 10, wherein the timer is a retransmission timer.
13. The WTRU of claim 12, wherein the retransmission timer is started upon reporting a SL HARQ feedback over Uu.
14. The WTRU of claim 13, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the last grant for retransmission of the same PDU.
15. The WTRU of claim 13, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the HARQ feedback associated with the last grant for retransmission of the same PDU.
16. The WTRU of claim 13, wherein the value of the retransmission timer is obtained by subtracting the elapsed time since the retransmission timer was stopped.
17. The WTRU of claim 10, wherein a WTRU resets the timer each time the WTRU receives an additional SL grant.
18. The WTRU of claim 10, wherein one attribute of the SL data is a function of the remaining PDB of the SL data.