SUMMARY

[0014] One non-limiting example facilitates providing multiple structures and methods to use advance indication of resource selection in DRX configured SL communications. In the present disclosure, the terms “advance indication” and “advanced indication” are used interchangeably, which refer to an advance notice that a Tx UE transmits to a Rx UE with information about an upcoming SL communication.

[0015] In an aspect, the techniques disclosed herein feature a method for wireless communication at a first user equipment (UE). The method comprises: transmitting an advanced indication to a second UE for an upcoming sidelink communication with the second UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with one or more selected resources that include at least one resource falling outside the second UE’s active time in Discontinuous Reception (DRX) configuration.

[0015A] In another aspect, the present disclosure refers to a method for wireless communication at a second user equipment (UE), the method comprising receiving an advanced indication from a first UE for an upcoming sidelink communication with the first UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with the one or more selected resources that include at least one resource falling outside the second UE’s active time in Discontinuous Reception (DRX) configuration, and in response to the receiving of the advanced indication, extending the second UE’s active time in accordance with the one or more selected resources.

[0015B] In yet another aspect, the present disclosure refers to a communication apparatus with a sidelink Discontinuous Reception (DRX) configuration, wherein the communication apparatus is a first user equipment (UE), the communication apparatus comprising, a transceiver, which in operation, transmits an advanced indication to a second UE for an

upcoming sidelink communication with the second UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with one or more selected resources that include at least one resource falling outside the second UE's active time in Discontinuous Reception (DRX) configuration, and circuitry, which in operation, controls the transceiver.

[0015C] In yet another aspect, the present disclosure refers to a communication apparatus with a sidelink Discontinuous Reception (DRX) configuration, wherein the communication apparatus is a second user equipment (UE), the communication apparatus comprising, a transceiver, which in operation, receives an advanced indication from a first UE for an upcoming sidelink communication with the first UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with the one or more selected resources that include at least one resource falling outside the second UE's active time in Discontinuous Reception (DRX) configuration, and circuitry, which in operation, extends the second UE's active time in accordance with the one or more selected resources in response to the receiving of the advanced indication.

[0015D] In yet another aspect, the present disclosure refers to an integrated circuit for controlling a process of a first user equipment (UE), the process comprising, transmitting an advanced indication to a second UE for an upcoming sidelink communication with the second UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with one or more selected resources that include at least one resource falling outside the second UE's active time in Discontinuous Reception (DRX) configuration..

[0015E] In yet another aspect, the present disclosure refers to an integrated circuit for controlling a process of a second user equipment (UE), the process comprising, receiving an advanced indication from a first UE for an upcoming sidelink communication with the

first UE over a sidelink communication link, wherein the upcoming sidelink communication is associated with the one or more selected resources that include at least one resource falling outside the second UE’s active time in Discontinuous Reception (DRX) configuration, and in response to the receiving of the advanced indication, extending the second UE's active time in accordance with the one or more selected resources.

[0016] It should be noted that general or specific examples may be implemented as a system, a device, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[0017] Additional benefits and advantages of the disclosed examples will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various examples and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.

BRIEF DESCRIPTION OF THE FIGURES

[0018] In the following, exemplary embodiments are described in more detail with reference to the attached figures and drawings.