

## CLAIMS

1. A method for wireless communications by a user equipment (UE), comprising:
  - ~~determining a resource allocation pattern that defines resources for communicating~~ receiving higher layer signaling, from a base station (BS), semi-statically configuring a plurality of configured resource allocation patterns at the UE, wherein at least one each of the plurality of configured resource allocation patterns comprises a plurality of resource elements with at least indicates a first resource element associated with a first resource allocation restriction one or more resources available to use for physical downlink shared channel (PDSCH) communication with the BS and at least indicates a second resource element associated one or more resources excluded for PDSCH communication with a second the BS;
  - receiving, from the BS, dynamic control signaling indicating at least one of the configured plurality of resource allocation restriction patterns to use for communicating; and communicating based on the determined indicated at least one resource allocation pattern.
2. The method of claim 1, wherein the ~~determination~~ indication of the at least one of the configured plurality of resource allocation pattern patterns is based on at least one parameter associated with a transmission.
3. The method of claim 2, wherein the at least one parameter comprises a service type for the transmission.
4. The method of claim 3, wherein the service type comprises at least one of: enhanced mobile broadband (eMBB), ultra-reliable low latency communication (URLLC), mission critical (MiCr), or massive machine type communications (mMTC).
5. The method of claim 2, wherein the at least one parameter comprises a slot configuration for the transmission.
6. The method of claim 2, wherein the at least one parameter comprises at least one of: whether the transmission is for uplink, downlink, or sidelink; a component-carrier (CC) used for the transmission; a subband used for the transmission; a transmission time interval (TTI) length of the transmission; a channel used for the transmission; a subframe used for the transmission;;

or a location of the UE in a cell.

7. The method of claim 1, wherein ~~determining each of the plurality of~~ resource allocation pattern comprises receiving signaling from a base station (BS) indicating the resource allocation pattern.

8. ~~The method of claim 7, wherein the received signaling from the BS comprises:~~  
~~an indication in a control channel indicating the resource allocation pattern; or~~  
~~a first activation message indicating to use the resource allocation pattern until a second activation message or a release message is received.~~

9. ~~The method of claim 1, wherein determining the resource allocation pattern comprises at least one of:~~  
~~receiving a semi-static configuration of the resource allocation pattern; or~~  
~~blindly detecting the resource allocation pattern.~~

10. ~~The method of claim 1, wherein the resource allocation pattern~~ patterns defines at least one of: contiguous resources or non-contiguous resources to use for the communicating.

~~118.~~ The method of claim 1, wherein the first ~~resource element~~ one or more resources and the second ~~resource element~~ one or more resources are associated with different frequency resources in a same symbol.

~~129.~~ The method of claim 1, wherein the first ~~resource element~~ one or more resources is associated with a first symbol; and the second ~~resource element~~ one or more resources is associated with a second symbol, and wherein the second symbol is different from the first symbol.

~~1310.~~ The method of claim 1, wherein ~~the first~~ each of the plurality of resource allocation patterns defines a first transmit power higher for a third one or more resources and a second transmit power for a fourth one or more resources.

11. The method of claim 1, wherein the indicated resource allocation pattern is UE-specific.
12. The method of claim 1, wherein each of the resource allocation patterns indicates the first one or more resources and the second one or more resources at a per resource element (RE), per tone, per symbol, or per resource element and the second block (RB) granularity.
13. The method of claim 1, wherein the higher layer signaling comprises radio resource element arecontrol (RRC) signaling.
14. An apparatus for wireless communications by a user equipment (UE), comprising:  
a transceiver configured to:  
receive higher layer signaling, from a base station (BS), semi-statically  
configuring a plurality of resource allocation patterns at the UE, wherein each of the  
plurality of configured resource allocation patterns indicates a first one or more resources  
available for the to use for physical downlink shared channel (PDSCH) communication,  
and wherein the first resource allocation restriction defines a first transmit power higher  
than a second transmit power defined by the second resource allocation restriction, with  
the BS and indicates a second one or more resource elements excluded for PDSCH  
communication with the BS; and
14. The method of claim 1, wherein the first resource element is available for the  
communication, and the second resource element is excluded for the communication.
15. The method at least one processor coupled with a memory and configured to:  
receive, from the BS, dynamic control signaling indicating at least one of the  
configured plurality of claim 1, wherein the resource allocation pattern is UE-  
specific patterns to use for communicating,
16. A method for wireless communications by a base station (BS), comprising:  
determining a wherein the transceiver is configured to:  
communicate based on the indicated at least one resource allocation pattern.

15. The apparatus of claim 14, wherein the higher layer signaling comprises radio resource control (RRC) signaling.

16. An apparatus for wireless communications, comprising:

means for receiving higher layer signaling, from a base station (BS), semi-statically configuring a plurality of resource allocation patterns configured for a user equipment (UE), that defines resources for communicating, wherein at least one at the apparatus, wherein each of the plurality of configured resource allocation patterns comprises a first one or more resources available to use for physical downlink shared channel (PDSCH) communication with the BS and indicates a second one or more resources excluded for PDSCH communication with the BS;

means for receiving, from the BS, dynamic control signaling indicating at least one of the configured plurality of resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction;

providing an indication to the UE of the resource allocation pattern allocation patterns to use for communicating; and

means for communicating based on the determined indicated at least one resource allocation pattern.

17. The method apparatus of claim 16, wherein the determination indication of the at least one of the configured plurality of resource allocation pattern patterns is based on at least one parameter associated with a transmission.

18. The method apparatus of claim 17, wherein the at least one parameter comprises a service type for the transmission.

19. The method apparatus of claim 18, wherein the service type comprises at least one of: enhanced mobile broadband (eMBB), ultra-reliable low latency communication (URLLC), mission critical (MiCr), or massive machine type communications (mMTC).

20. The method apparatus of claim 17, wherein the at least one parameter comprises a slot

configuration for the transmission.

21. The ~~method~~apparatus of claim 17, wherein the at least one parameter comprises at least one of: whether the transmission is for uplink, downlink, or sidelink; a component-carrier (CC) used for the transmission; a subband used for the transmission; a transmission time interval (TTI) length of the transmission; a channel used for the transmission; a subframe used for the transmission; or a location of the ~~UE~~apparatus in a cell.

22. The ~~method~~apparatus of claim 16, wherein each of the indication is provided via:  
~~—— a control channel; or~~  
a first activation message indicating to use the plurality of resource allocation pattern until a second activation message or a release message is received.

23. ~~The method of claim 16, wherein the resource allocation pattern~~patterns defines at least one of: contiguous resources or non-contiguous resources to use for the communicating.

~~24~~23. The ~~method~~apparatus of claim 16, wherein the first resource element and the second resource element are associated with different frequency one or more resources in a same symbol.

25. ~~The method of claim 16, wherein the first resource element is associated with a first symbol; and the second resource element~~one or more resources is associated with a second symbol, and wherein the second symbol is different from the first symbol.

~~26~~24. The ~~method~~apparatus of claim 16, wherein each of the first resource element and the second resource element are available for the communication, and wherein the firstplurality of resource allocation restrictionpatterns defines a first transmit power for a third one or more resources higher than a second transmit power ~~defined by the second resource allocation restriction.~~

27. ~~The method of claim 16, wherein the first resource element is available for the communication, and the second resource element is excluded for the communication~~a fourth one or more resources.

~~28~~25. The ~~method~~apparatus of claim 16, wherein the higher layer signaling comprises radio resource allocation pattern is UE-specific control (RRC) signaling.

~~29.~~ ~~An apparatus~~26. A non-transitory computer readable medium having computer executable code stored thereon for wireless communications by a user equipment (UE), comprising:

~~— at least one processor coupled with a memory and configured to determine a resource allocation pattern that defines resources~~code for communicating~~receiving higher layer signaling, from a base station (BS), semi-statically configuring a plurality of configured resource allocation patterns at the UE, wherein at least one each of the plurality of configured resource allocation patterns comprises a plurality of resource elements with at least~~indicates a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction; and~~one or more resources available to use for physical downlink shared channel (PDSCH) communication with the BS and indicates a second one or more resources excluded for PDSCH communication with the BS;~~

~~a transceiver configured to communicate based on the determined resource allocation pattern.~~

~~30.~~ ~~An apparatus~~code for wireless communications by a base station (BS), comprising:

~~— at least one processor coupled with a memory and configured to determine a resource allocation pattern~~receiving, from a the BS, dynamic control signaling indicating at least one of the configured plurality of resource allocation patterns configured for a user equipment (UE), that defines resources for communicating, wherein at least one of the plurality of configured resource allocation patterns comprises a plurality of resource elements with at least a first resource element associated with a first resource allocation restriction and at least a second resource element associated with a second resource allocation restriction;

~~a transceiver configured to provide an indication to the UE of the resource allocation pattern to use for communicating; and communicate based on the determined resource allocation pattern.~~

code for communicating based on the indicated at least one resource allocation pattern.

27. The non-transitory computer readable medium of claim 26, wherein the higher layer

signaling comprises radio resource control (RRC) signaling.