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(54) Title (EN): MULTIPLE PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) RESOURCES FOR AN UPLINK CONTROL INFORMATION (UCI) REPORT

(54) Title (FR): RESSOURCES MULTIPLES DE CANAL PHYSIQUE DE COMMANDE DE LIAISON MONTANTE (PUCCH) POUR UN RAPPORT D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE (UCI)

(57) Abstract:

(EN): A method for a user equipment (UE) to report an uplink control information (UCI) report based on multiple physical uplink control channel (PUCCH) resources configured to the UE is described. The UE can receive configuration information of PUCCH resources and one or more PUCCH resource sets from a base station (BS) in a wireless communication system, and an index from a PUCCH resource indicator field in a downlink control information (DCI) providing a downlink transmission. The UE can determine one or more PUCCH resource sets from the configured one or more PUCCH resource sets based on a payload size of a UCI including a hybrid automatic repeat request acknowledgement (HARQ-ACK) feedback of the downlink transmission. The UE can further determine multiple PUCCH resources from the determined one or more PUCCH resource sets based on the received index, and transmit the UCI on one of the determined multiple PUCCH resources.

(FR): La présente invention concerne un procédé destiné à un équipement d'utilisateur (UE) pour lui permettre d'informer un rapport d'informations de commande de liaison montante (UCI) en fonction de multiples ressources d'un canal physique de commande de liaison montante (PUCCH) configurées pour l'UE. L'UE peut recevoir des informations de configuration de ressources PUCCH et un ou plusieurs ensembles de ressources PUCCH provenant d'une station de base (BS) dans un système de communication sans fil, et un indice provenant d'un champ d'indicateur de ressources PUCCH dans des informations de commande de liaison descendante (DCI) assurant une transmission en liaison descendante. L'UE peut déterminer un ou plusieurs ensembles de ressources PUCCH à partir de l'ensemble ou des ensembles de ressources PUCCH configurés sur la base d'une taille de charge utile d'une UCI comprenant un retour d'accusé de réception de demande de répétition automatique hybride (HARQ-ACK) de la transmission en liaison descendante. L'UE peut en outre déterminer de multiples ressources PUCCH à partir de l'ensemble ou des ensembles de ressources PUCCH déterminés en fonction de l'indice reçu, et transmettre l'UCI sur l'une des multiples ressources PUCCH déterminées.

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