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**(71) Applicant(s):**

LG ELECTRONICS INC. [KR/KR]; 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 (KR) *(for all designated states)*

**(72) Inventor(s):**

PARK, Haewook; IP Center, LG Electronics Inc. 19, Yangjae-daero 11-gil, Seocho-gu, Seoul 06772 (KR)

KIM, Kijun; IP Center, LG Electronics Inc. 19, Yangjae-daero 11-gil, Seocho-gu, Seoul 06772 (KR)

**(74) Agent(s):**

ROYAL PATENT & LAW OFFICE; FL. 4 SEOIL Bldg., 104, Banpo-daero, Seocho-gu, Seoul 06648 (KR)

**(54) Title (EN):** METHOD FOR TRANSMITTING UPLINK SIGNAL ON BASIS OF CODEBOOK IN WIRELESS COMMUNICATION SYSTEM, AND DEVICE THEREFOR

**(54) Title (FR):** PROCÉDÉ DE TRANSMISSION DE SIGNAL DE LIAISON MONTANTE EN FONCTION DE LIVRE DE CODES DANS UN SYSTÈME DE COMMUNICATION SANS FIL, ET DISPOSITIF POUR CELA

**(54) Title (KO):** 무선 통신 시스템에서 코드북에 기초하여 상향링크 신호를 전송하는 방법 및 이를 위한 장치

**(57) Abstract:**

**(EN):** The present specification provides a method for transmitting an uplink signal on the basis of a codebook in a wireless communication system. Specifically, the method performed by a terminal is characterized by including: a step for receiving downlink control information (DCI) including a first transmit precoding matrix indicator (TPMI) from a base station; a step for determining a codebook subset related to the transmission of the uplink signal on the basis of the first TPMI; and a step for transmitting the uplink signal to the base station by using the determined codebook subset. Therefore, there is an effect in that the degree of freedom for selecting an antenna port increases to allow the flexibility of the design of a transmission antenna of a terminal to be increased.

**(FR):** La présente invention concerne un procédé de transmission d'un signal de liaison montante en fonction d'un livre de codes dans un système de communication sans fil. Spécifiquement, le procédé effectué par un terminal est caractérisé en ce qu'il comprend : une étape consistant à recevoir des informations de commande de liaison descendante (DCI) contenant un premier indicateur de matrice de précodage de transmission (TPMI) provenant d'une station de base ; une étape consistant à déterminer un sous-ensemble de livre de codes associé à la transmission du signal de liaison montante en fonction du premier TPMI ; et une étape consistant à transmettre le signal de liaison montante à la station de base en utilisant le sous-ensemble de livre de codes déterminé. Par conséquent, l'effet est que le degré de liberté de sélection d'un port d'antenne augmente pour permettre d'augmenter la flexibilité de la conception d'une antenne de transmission d'un terminal.

**(KO):** 본 명세서는 무선 통신 시스템에서 코드북(codebook)에 기초하여 상향링크 신호를 전송하는 방법을 제공한다. 보다 구체적으로, 단말에 의해 수행되는 상기 방법은, 제 1 TPMI(transmit precoding matrix indicator)를 포함하는 하향링크 제어 정보(downlink control information, DCI)를 기지국으로부터 수신하는 단계; 상기 제 1 TPMI에 기초하여 상기 상향링크

크 신호의 전송과 관련된 코드북 서브셋(codebook subset)을 결정하는 단계; 상기 결정된 코드북 서브셋을 이용하여 상기 상향링크 신호를 상기 기지국으로 전송하는 단계를 포함하는 것을 특징으로 한다. 이를 통해, 안테나 포트 선택에 대한 자유도가 증가하여 단말의 전송 안테나 설계에 대한 유연성을 증가시킬 수 있는 효과가 있다.

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