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**OH et al.**(10) **Pub. No.: US 2024/0178862 A1**(43) **Pub. Date: May 30, 2024**(54) **METHOD AND DEVICE FOR  
TRANSMITTING AND RECEIVING SIGNALS  
OF TERMINAL AND BASE STATION IN  
WIRELESS COMMUNICATION SYSTEM**(71) Applicant: **LG ELECTRONICS INC.**, Seoul  
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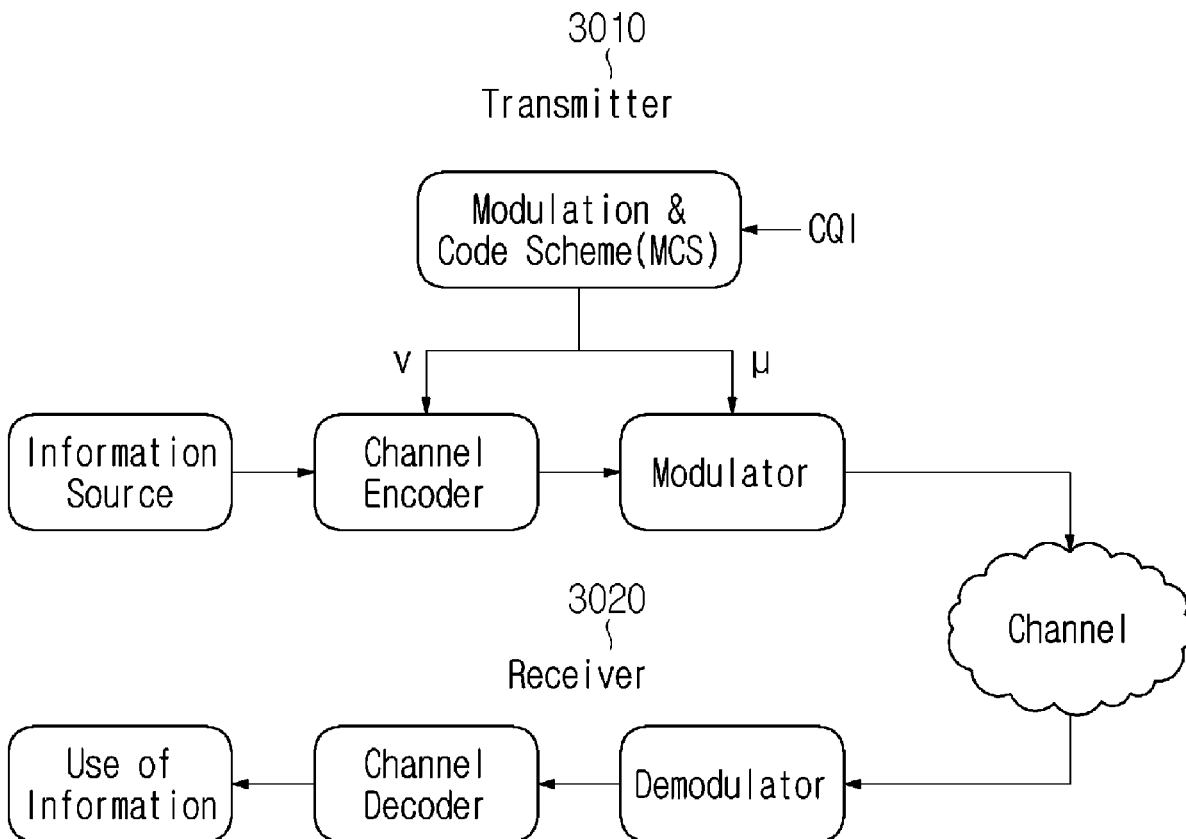
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**ABSTRACT**

The present disclosure may provide a method for operating a terminal in a wireless communication system. Here, the method for operating a terminal may comprise the steps of: determining a first polar code through artificial intelligence; transmitting, to a base station, data encoded with the first polar code and an information sub-channel index set for the first polar code; receiving reward information based on data decoding from the base station; determining a second polar code by performing learning through artificial intelligence on the basis of the reward information; and transmitting, to the base station, data encoded with the determined second polar code and an information sub-channel index set for the second polar code.

 $\mu$ : Bits per a modulation symbol,  $v$ : Code rate