

receiving a configuration of a codebook to use for uplink transmissions

210

mapping a list of indices to precoders of the codebook according to a rank of the precoders, wherein the list of indices are mapped to values of a parameter ("N"), first by increasing values of a number of transmitted layers and then by increasing values of N for a given number of layer

220

transmitting a layer on an antenna port that corresponds to a value of the parameter N

230