



Patent Search

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| Invention Title | BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL FOR LTE WITH FULL DIMENSION MULTI INPUT MULTI OUTPUT |
| Publication Number | 46/2020 |
| Publication Date | 13/11/2020 |
| Publication Type | INA |
| Application Number | 201941017958 |
| Application Filing Date | 06/05/2019 |
| Priority Number | |
| Priority Country | |
| Priority Date | |
| Field Of Invention | COMMUNICATION |
| Classification (IPC) | H04L0005000000, H04W0072040000, H04B0007045200, H04J0001160000, H04B0007060000 |

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Abstract:

METHOD FOR WIRELESS COMMUNICATION USING BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) ABSTRACT Embodiments of the present disclosure related a method for wireless communication. The method comprises receiving by a base station (BS), signals from a plurality of user equipment's (UEs) and obtaining channel estimates associated with each UE using the received signals. Next, calculating a first metric for each UE, and each of the plurality of beams associated with the BS using the obtained channel estimates and determining one or more best beams from a plurality of beams associated with the BS, and a second metric for each UE using the first metric. Further, segregating the UEs into groups based on the determined one or more best beams and the second metric. Thereafter, performing beamforming on control channel based on the one or more best beams, and performing allocation of at least one of resources, modulation and coding scheme for a control channel based on the segregated groups. Figure 17

Complete Specification

DESC:FORM 2
THE PATENTS ACT 1970
[39 OF 1970]
&
THE PATENTS RULES, 2003

COMPLETE SPECIFICATION
[See section 10 and rule 13]

TITLE: "METHOD FOR WIRELESS COMMUNICATION USING BEAMFORMED PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH)"

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Page last updated on: 26/06/2019