



Patent Search

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

Inventor

Name	Address	Country	Nat
KIRAN KUMAR KUCHI	604 Turquoise Block, My Home Jewel, Madinaguda, Hyderabad, 500045	India	U.S
SAIDHIRAJ AMURU	C/O Indian Institute of Technology Hyderabad, Kandi, Sangareddy, 502285	India	Ind
PAVAN KUMAR REDDY MANNE	C/O Indian Institute of Technology Hyderabad, Kandi, Sangareddy, 502285	India	Ind
HARISH KUMAR DUREPPAGARI	C/O Indian Institute of Technology Hyderabad, Kandi, Sangareddy, 502285	India	Ind

Applicant

Name	Address	Country
INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD	Indian Institute of Technology Hyderabad, Kandi, Sangareddy, Telangana, India - 502285	India
WISIG NETWORKS PRIVATE LIMITED	604, Turquoise Block, My Home Jewel, Madinaguda, Hyderabad - 500049, Telangana, India.	India

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)"

[View Application Status](#)



[Terms & conditions](https://ipindia.gov.in/Home/Termsconditions) (<https://ipindia.gov.in/Home/Termsconditions>) [Privacy Policy](https://ipindia.gov.in/Home/Privacypolicy) (<https://ipindia.gov.in/Home/Privacypolicy>)
[Copyright](https://ipindia.gov.in/Home/copyright) (<https://ipindia.gov.in/Home/copyright>) [Hyperlinking Policy](https://ipindia.gov.in/Home/hyperlinkingpolicy) (<https://ipindia.gov.in/Home/hyperlinkingpolicy>)
[Accessibility](https://ipindia.gov.in/Home/accessibility) (<https://ipindia.gov.in/Home/accessibility>) [Contact Us](https://ipindia.gov.in/Home/contactus) (<https://ipindia.gov.in/Home/contactus>) [Help](https://ipindia.gov.in/Home/help) (<https://ipindia.gov.in/Home/help>)
Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019