

Title (en)

CSI FEEDBACK FOR MIMO WIRELESS COMMUNICATION SYSTEMS WITH POLARIZED ACTIVE ANTENNA ARRAY

Title (de)

CSI-RÜCKKOPPLUNG FÜR MIMO-DRAHTLOSKOMMUNIKATIONSSYSTEME MIT POLARISIERTEM AKTIVANTENNENFELD

Title (fr)

RÉTROACTION D'INFORMATIONS D'ÉTAT DE CANAL (CSI) POUR DES SYSTÈMES DE COMMUNICATION SANS FIL ENTRÉES MULTIPLES SORTIES MULTIPLES (MIMO) COMPRENANT UN RÉSEAU D'ANTENNES ACTIVES POLARISÉES

Publication

EP 3172846 A4 20180404 (EN)

Application

EP 15862004 A 20151117

Priority

- US 201462080832 P 20141117
- US 201462085057 P 20141126
- US 201562111475 P 20150203
- US 201562113612 P 20150209
- US 201562128196 P 20150304
- US 201514874216 A 20151002
- KR 20150161427 A 20151117
- KR 2015012364 W 20151117

Abstract (en)

[origin: WO2016080742A1] The present disclosure relates to a pre-5th-Generation (5G) or 5G communication system to be provided for supporting higher data rates Beyond 4th-Generation (4G) communication system such as Long Term Evolution (LTE). A base station capable of communicating with a user equipment (UE) includes a transceiver configured to transmit downlink signals containing a first reference signal (RS) configuration on downlink channels and a first set of RSs according to the first RS configuration for the UE, and receive, from the UE, uplink signals containing a precoding matrix indicator (PMI) derived using the first set of RSs, and a controller configured to convert the PMI to one of predetermined precoding vectors.

IPC 8 full level

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CPC (source: EP US)

H04B 7/0456 (2013.01 - EP US); **H04B 7/0478** (2013.01 - EP); **H04B 7/0617** (2013.01 - EP US); **H04B 7/0639** (2013.01 - EP US); **H04W 72/046** (2013.01 - EP)

Citation (search report)

- [X] EP 2665203 A1 20131120 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] US 2014177745 A1 20140626 - KRISHNAMURTHY SANDEEP H [US], et al
- [X] ALCATEL-LUCENT SHANGHAI BELL ET AL: "Considerations on CSI feedback enhancements for high-priority antenna configurations", 3GPP DRAFT; R1-112420 CONSIDERATIONS ON CSI FEEDBACK ENHANCEMENTS FOR HIGH-PRIORITY ANTENNA CONFIGURATIONS_CLEAN, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Athens, Greece; 20110822, 18 August 2011 (2011-08-18), XP050537814
- See also references of WO 2016080742A1

Designated contracting state (EPC)

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