

Title (en)  
STOCHASTIC TRANSMISSION/RECEPTION METHOD AND APPARATUS FOR MU-MIMO SCHEME IN MIMO RADIO COMMUNICATION SYSTEM

Title (de)  
STOCHASTISCHES ÜBERTRAGUNGS-/EMPFANGSVORFAHREN UND VORRICHTUNG FÜR EIN MU-MIMO-SCHEMA IN EINEM MIMO-KOMMUNIKATIONSSYSTEM

Title (fr)  
PROCÉDÉ ET APPAREIL DE TRANSMISSION/RÉCEPTION STOCHASTIQUE POUR SCHÉMA MU-MIMO DANS UN SYSTÈME DE RADIOCOMMUNICATION MIMO

Publication  
**EP 3058672 A4 20170517 (EN)**

Application  
**EP 14854650 A 20141016**

Priority  
• US 201361891542 P 20131016  
• KR 20140122600 A 20140916  
• KR 2014009741 W 20141016

Abstract (en)  
[origin: KR20150044379A] Signal transmission/reception of mobile communications system terminals according to an embodiment of the present specification is made following the steps of: receiving reference signals from a base station; measuring channel information based on the received reference signal; predicting channel measurement errors based on the measured channel information; and transmitting feedback information created based on the prediction back to the base station. According to an embodiment of the present specification, stochastic channel precoding designing and stochastic user selection may maximize system throughputs by predicting errors caused by changes in channels over time, channel measurement errors, channel information quantization errors, and errors occurred during channel feedback.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [XY] EP 2187533 A1 20100519 - ALCATEL LUCENT [FR]  
• [YA] US 2013202059 A1 20130808 - KIM KI JUN [KR], et al  
• See references of WO 2015056998A1

Designated contracting state (EPC)  
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CN 105637777 A 20160601; EP 3058672 A1 20160824; EP 3058672 A4 20170517; KR 20150044379 A 20150424

DOCDB simple family (application)  
CN 201480056865 A 20141016; EP 14854650 A 20141016; KR 20140122600 A 20140916