

Title (en)  
A METHOD OF PROVIDING CONTROL INFORMATION FOR USER EQUIPMENT

Title (de)  
VERFAHREN ZUR BEREITSTELLUNG VON STEUERINFORMATIONEN FÜR BENUTZERGERÄTE

Title (fr)  
PROCÉDÉ DE FOURNITURE D'INFORMATIONS DE COMMANDE POUR ÉQUIPEMENT D'UTILISATEUR

Publication  
**EP 2710847 A4 20140702 (EN)**

Application  
**EP 13760716 A 20130218**

Priority  
• AU 2012901017 A 20120314  
• JP 2013054642 W 20130218

Abstract (en)  
[origin: WO2013136547A1] There is provided a method of providing control information for UEs (150) in data communication with an eNodeB (110) over a LTE wireless communication system (100). This method includes: encoding at least one E-PDCCH that includes control information for configuring the UEs (150) to communicate data with the eNodeB (110) over the LTE wireless communication system (100); mapping the at least one E-PDCCH on at least one allocated pair of PRBs according to an E-CCE structure including a variable number of REGs; varying the number of REGs in an E-CCE structure to optimise the channel capacity utilisation for the E-PDCCH mapping; and communicating the at least one E-PDCCH mapped onto the at least one allocated pair of PRBs to the UEs (150) so that the UEs (150) can be configured to communicate the data over the LTE wireless communication system (100) based on the control information.

IPC 8 full level  
**H04W 72/04** (2009.01); **H04W 16/28** (2009.01)

CPC (source: EP KR)  
**H04B 7/2612** (2013.01 - KR); **H04L 5/0048** (2013.01 - EP); **H04L 5/0053** (2013.01 - EP KR); **H04W 72/23** (2023.01 - KR)

Citation (search report)  
• [E] US 2014071915 A1 20140313 - PAPASAKELLARIOU ARIS [US], et al  
• [XA] NEC GROUP: "DCI Multiplexing for E-PDCCH", 3GPP DRAFT; R1-120257, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20120206 - 20120210, 31 January 2012 (2012-01-31), XP050562811  
• [XA] LG ELECTRONICS: "Concept of E-PDCCH CCE (revision of R1-120454)", 3GPP DRAFT; R1-120893 LG\_CONCEPT OF E-PDCCH CCE\_REVISD, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20120206 - 20120210, 13 February 2012 (2012-02-13), XP050563432  
• See also references of WO 2013136951A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2013136547 A1 20130919**; CA 2857489 A1 20130919; CN 103621164 A 20140305; EP 2710847 A1 20140326; EP 2710847 A4 20140702; JP 2014212537 A 20141113; JP 2014520411 A 20140821; JP 5574065 B1 20140820; KR 101500258 B1 20150306; KR 101932312 B1 20181224; KR 20140012198 A 20140129; KR 20140123932 A 20141023; WO 2013136951 A1 20130919

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**JP 2012069053 W 20120719**; CA 2857489 A 20130218; CN 201380001908 A 20130218; EP 13760716 A 20130218; JP 2013054642 W 20130218; JP 2013557958 A 20130218; JP 2014122148 A 20140613; KR 20137034800 A 20130218; KR 20147018144 A 20130218