

Title (en)
TECHNIQUES FOR ALLOCATION OF CONTROL CHANNELS

Title (de)
VERFAHREN ZUR ZUORDNUNG VON STEUERKANÄLEN

Title (fr)
TECHNIQUES D'AFFECTATION DE CANAUX DE COMMANDE

Publication
EP 2603993 A4 20170524 (EN)

Application
EP 11816816 A 20110802

Priority
• US 37378810 P 20100813
• US 2011046314 W 20110802

Abstract (en)
[origin: WO2012021337A2] Techniques are described for setting the Physical Downlink Control Channel search spaces for component carriers. If any component carrier is de-activated, the Carrier Indicator Fields (CIF) of remaining activated component carriers can be set to consecutive values. The User Element can utilize its identifier to determine the starting point Control Channel Elements in each subframe. The locations of Control Channel Elements for a component carrier can be determined based on its CIF. Accordingly, search spaces for different component carriers can potentially be closely spaced but not overlap.

IPC 8 full level
H04B 17/318 (2015.01); **H04L 5/00** (2006.01); **H04W 72/04** (2009.01); **H04L 1/00** (2006.01)

CPC (source: EP)
H04B 17/318 (2015.01); **H04L 5/001** (2013.01); **H04L 5/0053** (2013.01); **H04L 5/0073** (2013.01); **H04L 5/0085** (2013.01); **H04L 5/0098** (2013.01); **H04W 72/20** (2023.01); **H04L 5/0039** (2013.01)

Citation (search report)
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• [I] NTT DOCOMO: "Investigation on UE-Specific Search Space for Carrier Aggregation", 3GPP DRAFT; R1-104012 SS EVALUATION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20100628, 22 June 2010 (2010-06-22), XP050449341
• [I] LG ELECTRONICS: "UE-specific Search Space Design for Cross-Carrier Scheduling", 3GPP DRAFT; R1-103957_SS_LGE, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20100628, 23 June 2010 (2010-06-23), XP050449438
• [I] ERICSSON ET AL: "On search space design for carrier aggregation", 3GPP DRAFT; R1-103503, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20100628, 22 June 2010 (2010-06-22), XP050449022
• See references of WO 2012021337A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012021337 A2 20120216; WO 2012021337 A3 20120405; CN 103119875 A 20130522; CN 103119875 B 20160622;
EP 2603993 A2 20130619; EP 2603993 A4 20170524

DOCDB simple family (application)
US 2011046314 W 20110802; CN 201180046852 A 20110802; EP 11816816 A 20110802