

Title (en)
HANDOVER WITH CARRIER AGGREGATION

Title (de)
WEITERLEITUNG MIT TRÄGERAGGREGATION

Title (fr)
TRANSFERT INTERCELLULAIRE AVEC AGRÉGATION DE PORTEUSES

Publication
EP 2569979 A4 20170913 (EN)

Application
EP 11780761 A 20110427

Priority
• GB 201007869 A 20100511
• KR 2011003115 W 20110427

Abstract (en)
[origin: WO2011142544A2] A handover with carrier aggregation is provided. A method of assisting handover of a user equipment from a source wireless access node to a target wireless access node, for use in a wireless access network having a plurality of carrier frequencies and a plurality of cells in which a cell and a carrier frequency may be configured as a component carrier, and in which at least two component carriers may be aggregated for communication between the user equipment and the source wireless access node, the aggregated component carriers comprising a primary component carrier and at least one secondary component carrier comprises the step of selecting, at the source wireless access node, a first carrier frequency to be configured as a primary component carrier for communication with the target wireless access node after handover, and selecting, at the target wireless access node, a second carrier frequency to be configured as a secondary component carrier for communication with the target wireless access node after handover.

IPC 8 full level
H04L 5/00 (2006.01); **H04W 36/08** (2009.01); **H04W 72/00** (2009.01); **H04W 72/02** (2009.01)

CPC (source: EP KR US)
H04L 5/0007 (2013.01 - EP KR); **H04L 5/001** (2013.01 - EP KR); **H04L 5/0035** (2013.01 - EP KR); **H04L 5/0073** (2013.01 - EP KR); **H04L 5/0096** (2013.01 - EP KR); **H04W 36/06** (2013.01 - KR); **H04W 36/08** (2013.01 - KR); **H04W 72/02** (2013.01 - KR); **H04W 36/08** (2013.01 - EP US); **H04W 72/00** (2013.01 - EP); **H04W 72/02** (2013.01 - EP)

Citation (search report)
• [A] US 2005277416 A1 20051215 - TOLLI ANTTI [FI], et al
• [I] FUJITSU: "HO and CC handling", 3GPP DRAFT; R2-103078, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050423244
• [XI] PANASONIC: "Inter-eNB HO behavior in carrier aggregation", 3GPP DRAFT; R2-102756, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 3 May 2010 (2010-05-03), XP050423029
• [A] PANTECH: "Handover considerations in CA", 3GPP DRAFT; R2-102510 HANDOVER CONSIDERATIONS IN CA, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Beijing, china; 20100412, 7 April 2010 (2010-04-07), XP050422722
• [A] MEDIATEK: "Discussion on the Functionality of Primary Component Carrier", 3GPP DRAFT; R2-101149, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. San Francisco, USA; 20100222, 16 February 2010 (2010-02-16), XP050421760
• [I] NOKIA SIEMENS NETWORKS ET AL: "PCC Selection at Handover", 3GPP DRAFT; R2-103066 (PCC SELECTION AT HO), 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050423235
• [I] ERICSSON ET AL: "Mobility handling in CA", 3GPP DRAFT; R2-103167, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. Montreal, Canada; 20100510, 4 May 2010 (2010-05-04), XP050423275
• See also references of WO 2011142544A2

Cited by
US9661533B2

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 2011142544 A2 20111117; **WO 2011142544 A3 20120301**; AU 2011251152 A1 20121129; AU 2011251152 B2 20150917; CA 2798930 A1 20111117; CA 2798930 C 20200121; CN 102948214 A 20130227; CN 102948214 B 20161123; EP 2569979 A2 20130320; EP 2569979 A4 20170913; JP 2013526794 A 20130624; KR 101783289 B1 20170929; KR 20130094707 A 20130826; RU 2012147810 A 20140520; RU 2576385 C2 20160310

DOCDB simple family (application)
KR 2011003115 W 20110427; AU 2011251152 A 20110427; CA 2798930 A 20110427; CN 201180023648 A 20110427; EP 11780761 A 20110427; JP 2013510015 A 20110427; KR 20127029577 A 20110427; RU 2012147810 A 20110427