

Title (en)

FREQUENCY HOPPING IN LICENSE-EXEMPT/SHARED BANDS

Title (de)

FREQUENZSPRINGEN BEI LIZENZFREIEN/GEMEINSAM BENUTZTEN BÄNDERN

Title (fr)

SAUT DE FRÉQUENCE DANS DES BANDES PARTAGÉES/NON SOUMISES À LICENCE

Publication

EP 2715948 A1 20140409 (EN)

Application

EP 12737346 A 20120601

Priority

- GB 201109289 A 20110602
- US 201113151557 A 20110602
- US 201113274800 A 20111017
- IB 2012052764 W 20120601

Abstract (en)

[origin: WO2012164531A1] RRC signaling is used to configure a user device for N secondary cells SCells on license-exempt channels w_i ; in a frequency hopping channel set $W=\{w_i\}$ where $i=1,2,\dots,N$. Then cross-carrier scheduling is sent on a primary cell PCell to schedule a frequency hopping FH resource block h_i on the i th license-exempt channel w_i . Based on measurements of at least some of the license-exempt channels w_i received from at least the user device, parameters for the frequency hopping are adapted. The FH resource block contains M physical resource blocks, scheduled for the SCell during a FH time interval $T_u \cdot L + j$ by a resource grant sent on a PDCCH of the PCell. In an embodiment the RRC signaling is sent by a micro access node/HeNB on the PCell, the cross carrier scheduling is sent also by the micro access node/HeNB on the PCell, and the PCell lies within an LTE licensed frequency band.

IPC 8 full level

H04B 1/7143 (2011.01); **H04B 1/715** (2011.01); **H04L 5/00** (2006.01); **H04W 16/14** (2009.01); **H04W 72/12** (2009.01)

CPC (source: EP)

H04B 1/7143 (2013.01); **H04B 1/715** (2013.01); **H04L 5/0012** (2013.01); **H04W 16/14** (2013.01); **H04W 72/1263** (2013.01)

Citation (search report)

See references of WO 2012164531A1

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 2012164531 A1 20121206; CN 103875187 A 20140618; CN 103875187 B 20160106; EP 2715948 A1 20140409

DOCDB simple family (application)

IB 2012052764 W 20120601; CN 201280035829 A 20120601; EP 12737346 A 20120601