

Title (en)
METHOD, COMMUNICATION SERVER AND COMPUTER READABLE STORAGE MEDIUM FOR DYNAMIC SPECTRUM ARBITRAGE

Title (de)
VERFAHREN, KOMMUNIKATIONSSERVER UND COMPUTERLESBARES SPEICHERMEDIUM FÜR DYNAMISCHE SPEKTRUMSARBITRAGE

Title (fr)
PROCÉDÉ, SERVEUR DE COMMUNICATION ET MOYEN DE STOCKAGE LISIBLE PAR ORDINATEUR POUR L'ARBITRAGE DYNAMIQUE DE SPECTRE

Publication
EP 2962486 A1 20160106 (EN)

Application
EP 14757721 A 20140228

Priority
• US 201313782193 A 20130301
• US 2014019554 W 20140228

Abstract (en)
[origin: WO2014134511A1] Methods and system are provided for managing and monitoring allocation of RF spectrum resources based on time, space and frequency. A network may be enabled to allocate excess spectrum resources for use by other network providers on a real-time basis. Allocated resources may be transferred from one provider with excess resources to another in need of additional resources based on contractual terms or on a real-time purchase negotiations and settlements. A network may be enabled to monitor the use of allocated resources on real-time basis and off-load or allow additional users depending on the spectrum resources availability. Public safety networks may be enabled to make spectrum resources available to general public by allocating spectrum resources and monitoring the use of those resources. During an emergency, when traffic increases on a public safety network, the public safety networks may off-load bandwidth traffic to make available necessary resources for public safety users.

IPC 8 full level
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CPC (source: CN EP KR US)
H04W 4/90 (2018.02 - EP US); **H04W 16/10** (2013.01 - CN KR); **H04W 16/14** (2013.01 - CN EP KR); **H04W 24/08** (2013.01 - KR); **H04W 28/0268** (2013.01 - EP); **H04W 28/12** (2013.01 - EP); **H04L 47/22** (2013.01 - EP); **H04L 47/24** (2013.01 - EP); **H04W 28/0289** (2013.01 - CN EP KR US)

Designated contracting state (EPC)
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Designated extension state (EPC)
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