Title (en)
SYSTEM AND METHOD FOR DYNAMIC WIRELESS AERIAL MESH NETWORK

Title (de)
SYSTEM UND VERFAHREN FÜR EIN DYNAMISCHES DRAHTLOSES ANTENNEN-MESH-NETZWERK

Title (fr)
SYSTÈME ET PROCÉDÉ POUR RÉSEAU MAILLÉ ANTENNAIRE SANS FIL DYNAMIQUE

Publication
EP 3210318 A2 20170830 (EN)

Application
EP 15813945 A 20151019

Priority
• US 201414523576 A 20141024
• US 2015056147 W 20151019

Abstract (en)
[origin: WO2016064700A2] Embodiments include a dynamic wireless aerial mesh network having aerial nodes that provides real-time persistent wide area communications service to provide communications in response to an incident. Typically, the area services is a wide area that is physically inaccessible via ground transportation. In addition, embodiments include the formation of a decentralized mesh supernetwork comprising two or more dynamic wireless aerial mesh networks where each dynamic wireless aerial mesh network is owned by a different agency (e.g., a secure community). A member of a first dynamic wireless aerial mesh network may send a request to a member of a second dynamic wireless aerial mesh network for the first dynamic wireless aerial mesh network to join the second dynamic wireless aerial mesh network to form a mesh supernetwork, and receive an acceptance from the member of the second dynamic wireless aerial mesh network.

IPC 8 full level
H04B 7/185 (2006.01); **H04W 84/18** (2009.01)

CPC (source: EP US)
H04B 7/18504 (2013.01 - EP); **H04W 4/02** (2013.01 - EP); **H04W 4/80** (2018.01 - US); **H04W 84/18** (2013.01 - EP)

Citation (search report)
See references of WO 2016064700A2

Cited by
EP3327953A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016064700 A2 20160428; **WO 2016064700 A3 20160623**; **WO 2016064700 A8 20160811**; AU 2015336245 A1 20170518; AU 2015336245 B2 20200123; CA 2965318 A1 20160428; CA 2965318 C 20200901; EP 3210318 A2 20170830; EP 3327953 A1 20180530; EP 3327953 B1 20230201; NZ 731348 A 20220429

DOCDB simple family (application)
US 2015056147 W 20151019; AU 2015336245 A 20151019; CA 2965318 A 20151019; EP 15813945 A 20151019; EP 18152618 A 20151019; NZ 73134815 A 20151019