

(12) **United States Patent**  
**Charters et al.**

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(54) **DYNAMIC GENERATION OF GEOGRAPHICALLY BOUND MANET IDS**

(58) **Field of Classification Search**  
CPC .. H04W 76/021; H04W 64/006; H04W 84/18  
(Continued)

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

7,881,238 B2 2/2011 Krantz et al.  
7,890,124 B2 2/2011 Smith et al.  
(Continued)

FOREIGN PATENT DOCUMENTS

CN 102291448 B 10/2013  
WO 2009018835 A1 2/2009  
WO 2012051078 A1 4/2012

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

OTHER PUBLICATIONS

Jain et al., "Intelligent Computing, Communication and Devices," Proceedings of ICCD 2014, 2015, 535 Pages, vol. 2, Springer India, <http://www.springer.com/us/book/9788132220084?countryChanged=true>, Accessed on Jan. 11, 2016, Abstract Only.

(Continued)

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**H04W 24/00** (2009.01)  
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(57) **ABSTRACT**

A method for generating a geographically-bound mobile ad hoc network identification. The method may include receiving, by a processor, a mobile ad hoc network request. The method may also include determining a plurality of geographic coordinates of a device associated with a current location of the device. The method may further include generating a mobile ad hoc network identification based on the determined plurality of geographic coordinates. The method may also include processing the received mobile ad hoc network request using the generated mobile ad hoc network identification.

**9 Claims, 6 Drawing Sheets**

