

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2015 年 2 月 19 日 (19.02.2015)



(10) 国际公布号
WO 2015/021780 A1

- (51) 国际专利分类号:
H04W 36/00 (2009.01)
- (21) 国际申请号: PCT/CN2014/074887
- (22) 国际申请日: 2014 年 4 月 8 日 (08.04.2014)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
201310351937.9 2013 年 8 月 13 日 (13.08.2013) CN
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- (84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布:

- 包括国际检索报告(条约第 21 条(3))。

(54) Title: METHOD, DEVICE AND SYSTEM FOR JOINING NEIGHBOR AWARENESS NETWORK CLUSTER

(54) 发明名称: 用于加入邻近感知网络设备群的方法、设备及系统

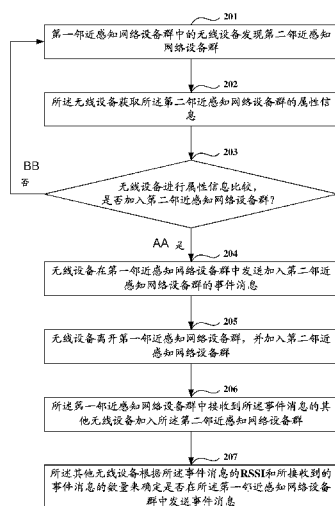


图 6 / Fig.6

201 A wireless device in a first Neighbor Awareness Network (NAN) cluster finds a second NAN cluster
202 The wireless device acquires the attribute information of the second NAN cluster
203 The wireless device compares the attribute information and determines whether to join the second NAN cluster
204 The wireless device sends in the first NAN cluster an event message of joining the second NAN cluster
205 The wireless device leaves the first NAN cluster and joins the second NAN cluster
206 Other wireless devices in the first NAN cluster receiving the event message join the second NAN cluster
207 According to the RSSI of the event message and the number of received event messages, the other wireless devices determine whether to send an event message in the first NAN cluster
AA Yes
BB No

(57) Abstract: Disclosed are a method, device and system for joining a Neighbor Awareness Network (NAN) cluster. When a wireless device in a first NAN cluster scans and finds a second NAN cluster, if joining the second NAN cluster is necessary, then the wireless device leaves the first NAN cluster and joins the second NAN cluster; as the wireless device does not join a plurality of NAN clusters at the same time, the wireless device has low power consumption; in addition, as times goes on, when all the wireless devices in the first NAN cluster leave the first NAN cluster and join the second NAN cluster, the discovery window (DW) of the first NAN cluster on the working channel will not be occupied, thus increasing available resources on the working channel.

(57) 摘要:

[见续页]

本发明公开了一种用于加入邻近感知网络设备群的方法、设备及系统，当第一邻近感知网络设备群中的无线设备扫描发现第二邻近感知网络设备群时，若需加入至第二邻近感知网络设备群，则该无线设备离开第一邻近感知网络设备群并加入第二邻近感知网络设备群；由于无线设备并不同时加入多个邻近感知网络设备群，因此，无线设备的功耗也较小；同时，随着时间的推移，当第一邻近感知网络设备群中的所有无线设备都离开并加入第二邻近感知网络设备群时，第一邻近感知网络设备群在工作信道上的发现时间窗将不再会被占用，增加了工作信道上的可用资源。