

Title (en)  
ADAPTIVE INACTIVITY TIMEOUT MANAGEMENT

Title (de)  
ADAPTIVE VERWALTUNG VON INAKTIVITÄTSZEITÜBERSCHREITUNG

Title (fr)  
GESTION ADAPTATIVE DE TEMPORISATION D'INACTIVITÉ

Publication  
**EP 3476160 A4 20191225 (EN)**

Application  
**EP 17814773 A 20170626**

Priority  
• CN 2016087054 W 20160624  
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Abstract (en)  
[origin: WO2017219352A1] Methods, systems, and devices for wireless communication are described. One method may include communicating with an access point (AP) during awake intervals in which the wireless device is in an awake mode, determining a congestion level associated with a radio frequency (RF) spectrum band, and determining, for an awake interval, an inactivity timeout (ITO) interval for the wireless device to remain in the awake mode based on an identified RF spectrum band and the determined congestion level used by the wireless device to communicate with the AP. A second method may include polling an AP during a delivery traffic indication message (DTIM) period, and modifying timing for the station to poll the AP based on identifying that a trigger condition has been satisfied based on a determination that at least one null data message has been received from the AP, or a predetermined threshold number of polls have timed out.

IPC 8 full level  
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CPC (source: EP KR US)  
**H04W 24/08** (2013.01 - EP); **H04W 28/0289** (2013.01 - EP KR US); **H04W 52/0216** (2013.01 - EP KR); **H04W 52/0248** (2013.01 - KR); **H04W 76/28** (2018.02 - KR); **H04W 52/0248** (2013.01 - EP); **H04W 72/0453** (2013.01 - EP); **H04W 76/27** (2018.02 - EP); **H04W 76/28** (2018.02 - EP); **H04W 84/12** (2013.01 - EP); **Y02D 30/70** (2020.08 - EP KR)

Citation (search report)  
• [XAY] US 2015029917 A1 20150129 - KIM MYONG JU [KR]  
• [YA] US 2016057611 A1 20160225 - GONG XIAOHONG X [US]  
• See also references of WO 2017220036A1

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CN110768861A

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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 2017219352 A1 20171228**; AU 2017282924 A1 20181206; AU 2017282925 A1 20181206; BR 112018076350 A2 20190326; BR 112018076356 A2 20190326; BR 112018076359 A2 20190326; CN 109314927 A 20190205; CN 109314928 A 20190205; CN 109417757 A 20190301; EP 3476159 A1 20190501; EP 3476159 A4 20200826; EP 3476160 A1 20190501; EP 3476160 A4 20191225; EP 3476161 A1 20190501; EP 3476161 A4 20200108; JP 2019522931 A 20190815; KR 20190019957 A 20190227; KR 20190019958 A 20190227; KR 20190019959 A 20190227; TW 201804833 A 20180201; TW 201804839 A 20180201; WO 2017220036 A1 20171228; WO 2017220037 A1 20171228

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