Title (en)

RESTRICTED TARGET WAKE TIME SERVICE PERIOD TERMINATION

Title (de)

BESCHRÄNKTE ZIELAUFWECKZEITDIENSTZEITRAUMBEENDIGUNG

Title (fr)

ACHÈVEMENT DE PÉRIODE DE SERVICE DE TEMPS DE RÉVEIL CIBLE LIMITÉ

Publication

EP 4364513 A1 20240508 (EN)

Application

EP 22760781 A 20220720

Priority

- US 202163260155 P 20210811
- US 202217844555 A 20220620
- IB 2022056657 W 20220720

Abstract (en)

[origin: WO2023017340A1] A wireless communication protocol using CSMA/CA, EDCA and R-TWT to prioritize RTA traffic transmissions. During an R-TWT SP, the RTA traffic is prioritized for transmission and mechanisms are provided for assuring proper indications and termination of the R-TWT SP. During this process, member STAs communicate with the R-TWT scheduling AP when they have no more frames to send. The R-TWT scheduling AP can also terminate the R-TWT SP before its scheduled end time, allowing non-member STAs to immediately contend for the channel. In addition, the R-TWT scheduling AP can exchange frames with STAs, that have an R-TWT feature but are not R-TWT member STAs, after frame exchanges with the R-TWT member STAs during the R-TWT SP have been completed.

IPC 8 full level

H04W 74/00 (2009.01); **H04W 52/02** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP KR)

G06F 1/3209 (2013.01 - EP); **G06F 1/3228** (2013.01 - EP); **G06F 1/3278** (2013.01 - EP); **G06F 1/3287** (2013.01 - EP); **G06F 1/329** (2013.01 - EP); **H04L 5/0053** (2013.01 - KR); **H04L 5/0091** (2013.01 - EP); **H04W 28/0278** (2013.01 - KR); **H04W 52/0216** (2013.01 - EP KR); **H04W 52/0225** (2013.01 - KR); **H04W 74/002** (2013.01 - EP); **H04W 74/0816** (2013.01 - KR); **H04W 84/12** (2013.01 - KR); H04W 84/12 (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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