

Title (en)

APPARATUS, SYSTEM AND METHOD OF COMMUNICATING AN EDMG PPDU WITH A SPOOFED LENGTH

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN ZUR KOMMUNIKATION EINER EDMG-PPDU MIT EINER GEFÄLSCHTEN LÄNGE

Title (fr)

APPAREIL, SYSTÈME ET PROCÉDÉ DE COMMUNICATION D'UNE PPDU EDMG AYANT UNE LONGUEUR USURPÉE

Publication

EP 3569010 A4 20201216 (EN)

Application

EP 17891568 A 20170629

Priority

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- US 2017039853 W 20170629

Abstract (en)

[origin: WO2018132127A1] Some demonstrative embodiments include apparatuses, systems and/or methods of communicating an Enhanced Directional Multi-Gigabit (DMG) (EDMG) Physical Layer (PHY) Protocol Data Unit (PPDU) with a spoofed length. For example, an apparatus may include logic and circuitry configured to cause an EDMG station (STA) to determine one or more values of a non-EDMG header (L-header) based on a duration of an EDMG PPDU, the one or more values of the L-header including at least a length value to result in a spoofing error, which is non-negative and less than one symbol block, the spoofing error including a difference between a calculated PPDU duration and the duration of the EDMG PPDU, the calculated PPDU duration is based on the L-header; and to transmit the EDMG PPDU including the L-header over a channel bandwidth in a frequency band above 45 Gigahertz (GHz).

IPC 8 full level

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CPC (source: EP US)

H04L 1/0075 (2013.01 - EP US); **H04L 1/0079** (2013.01 - EP); **H04L 27/2602** (2013.01 - EP US); **H04L 27/2603** (2021.01 - EP US)

Citation (search report)

- [E] WO 2019005747 A1 20190103 - INTEL IP CORP [US]
- [E] EP 3595204 A1 20200115 - LG ELECTRONICS INC [KR]
- [Y] HIROYUKI MOTOZUKA (PANASONIC): "L-Header Spoofing and Bit Reuse ; 11-16-1422-00-00ay-l-header-spoofing-and-bit-reuse", vol. 802.11ay, 9 November 2016 (2016-11-09), pages 1 - 18, XP068110824, Retrieved from the Internet <URL:https://mentor.ieee.org/802.11/dcn/16/11-16-1422-00-00ay-l-header-spoofing-and-bit-reuse.pptx> [retrieved on 20161109]
- [Y] DEJIAN LI (HUAWEI): "Proposed resolution to CID 41,42,44,84, 98, 111, 151 and 168 in LB217", vol. 802.11aj, no. 2, 19 May 2016 (2016-05-19), pages 1 - 15, XP068119614, Retrieved from the Internet <URL:https://mentor.ieee.org/802.11/dcn/16/11-16-0705-02-00aj-proposed-resolution-to-cid-41-42-44-84-98-111-151-and-168-in-lb217.docx> [retrieved on 20160519]
- See references of WO 2018132127A1

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