

Title (en)  
5G NR METHODS FOR ETHERNET HEADER COMPRESSION

Title (de)  
5G-NR-VERFAHREN ZUR ETHERNET-HEADERKOMPRESSION

Title (fr)  
PROCÉDÉS 5G NR POUR COMPRESSION D'EN-TÊTE ETHERNET

Publication  
**EP 3874715 A4 20220803 (EN)**

Application  
**EP 19880503 A 20191031**

Priority  
• US 201862753779 P 20181031  
• US 201962824905 P 20190327  
• US 2019059177 W 20191031

Abstract (en)  
[origin: WO2020092780A1] Systems and methods of compressing Ethernet headers for transmission through a 5G network are described. A first Ethernet packet transmitted to a destination uses ROHC on a non-Ethernet header but has an uncompressed Ethernet header. After feedback is received from the destination, subsequent Ethernet packets transmitted to the destination use a compressed header in which the source and destination addresses are replaced by a connection identity and a type field indicates that the header is compressed. The connection identity is unique to the DRB and may further depend on the type field and an 802.1Q tag of the packet.

IPC 8 full level  
**H04W 28/06** (2009.01); **H04L 69/04** (2022.01); **H04L 69/22** (2022.01); **H04L 69/324** (2022.01)

CPC (source: EP)  
**H04L 67/1097** (2013.01); **H04L 69/04** (2013.01); **H04L 69/22** (2013.01); **H04L 69/324** (2013.01); **H04W 28/06** (2013.01)

Citation (search report)  
• [I] US 2014119377 A1 20140501 - CROSTA SIMONE [IT], et al  
• [I] US 2014369365 A1 20141218 - DENIO MICHAEL A [US], et al  
• [A] ERICSSON: "Ethernet Header Compression", vol. RAN WG2, 27 September 2018 (2018-09-27), pages 1 - 5, XP051524194, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG2%5FRL2/TSGR2%5F103bis/Docs/R2%2D1814811%2Ezip> [retrieved on 20200706]  
• See references of WO 2020092780A1

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

DOCDB simple family (publication)  
**WO 2020092780 A1 20200507**; EP 3874715 A1 20210908; EP 3874715 A4 20220803

DOCDB simple family (application)  
**US 2019059177 W 20191031**; EP 19880503 A 20191031