

Title (en)

TIMESTAMP UNIT AND COMMUNICATION CONTROL UNIT FOR A SUBSCRIBER STATION OF A COMMUNICATION NETWORK

Title (de)

ZEITSTEMPELEINHEIT UND KOMMUNIKATIONSSTEUEREINHEIT FÜR EINE TEILNEHMERSTATION EINES
KOMMUNIKATIONSNETZWERKS

Title (fr)

UNITÉ D'HORODATAGE ET UNITÉ DE COMMANDE DE COMMUNICATION POUR UN POSTE D'ABONNÉ D'UN RÉSEAU DE
COMMUNICATION

Publication

EP 3656070 A1 20200527 (DE)

Application

EP 18743771 A 20180719

Priority

- DE 202017104362 U 20170721
- EP 2018069590 W 20180719

Abstract (en)

[origin: WO2019016299A1] A timestamp unit (50) and a communication control unit (11) for a subscriber station (10) of a communication network are provided. The timestamp unit (50) comprises a memory (500) configured for the cyclical storage of a timestamp (501 to 50N) of a message (5; 4, 5) that is transmitted via the communication network, an address counter (5000) able to be incremented with each storage of a timestamp (501 to 50N) of a message (5; 4, 5) such that the value of the address counter (5000) corresponds to an address at which the timestamp (501 to 50N) is stored in the memory (500), a first interface (51) to a host control unit (71) via which the timestamp (501 to 50N) of a message (5; 4, 5) is able to be captured, and a second interface (55, 56, 57) to a communication control device (11) of the communication network configured to create or read at least one message (5; 4, 5) for/from the subscriber station (10), wherein the interface (55, 56, 57) has at least one connection (55; 56) for receiving a trigger signal (S_Rx, S_Tx, S_Tx_Rx) from the communication control device (11), which signal initiates the capturing of a timestamp (501 to 50N), and wherein the interface (55, 56, 57) has a connection (55; 56) for sending a signal (S_CNT) to the communication control device (11), which has the value of the address counter (5000).

IPC 8 full level

H04J 3/06 (2006.01); **H04L 12/40** (2006.01)

CPC (source: EP KR US)

H04J 3/0661 (2013.01 - KR); **H04J 3/0664** (2013.01 - US); **H04J 3/0685** (2013.01 - EP KR); **H04J 3/0697** (2013.01 - EP KR);
H04L 12/40 (2013.01 - EP KR); **H04L 12/407** (2013.01 - US); **H04J 3/0661** (2013.01 - EP); **H04L 2012/40215** (2013.01 - EP KR US);
H04L 2101/627 (2022.05 - EP KR)

Citation (search report)

See references of WO 2019016299A1

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

DOCDB simple family (publication)

DE 202017104362 U1 20170807; CN 110892653 A 20200317; EP 3656070 A1 20200527; JP 2020527316 A 20200903;
KR 20200028476 A 20200316; US 11258633 B2 20220222; US 2020186386 A1 20200611; WO 2019016299 A1 20190124

DOCDB simple family (application)

DE 202017104362 U 20170721; CN 201880048511 A 20180719; EP 18743771 A 20180719; EP 2018069590 W 20180719;
JP 2020502657 A 20180719; KR 20207004948 A 20180719; US 201816631601 A 20180719