

Title (en)
TRANSMISSION OF DATA PACKETS

Title (de)
ÜBERTRAGUNG VON DATENPAKETEN

Title (fr)
TRANSMISSION DE PAQUETS DE DONNÉES

Publication
EP 4005163 A1 20220601 (DE)

Application
EP 20764060 A 20200825

Priority
• AT 507402019 A 20190827
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Abstract (en)
[origin: WO2021037837A1] The aim of the invention is to transmit a data packet (D1) from an ethernet component (E1, E2, E3), which is in an ethernet network (3), to an industrial communication network in a mixed network (1). According to the invention, an industrial communication network (2) configured according to the standards of the IEEE 802.1 TSN working group is used, and at least one guarantee defined in the standards of the IEEE 802.1 TSN working group is assigned for the data packet (D1) in that a frame (F1) which contains the data packet (D1) is identified in the industrial communication network (2) configured according to the standards of the IEEE 802.1 TSN working group by a TSN bridge (TSN-F) and converted into a TSN stream (S1) which contains the data packet (D1), and the data packet (D1) is transmitted to a TSN component (TSN-C) in the TSN stream (S1).

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CPC (source: AT CN EP US)
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H04L 47/24 (2013.01 - AT CN); **H04L 47/2441** (2013.01 - AT CN US); **H04L 47/28** (2013.01 - AT CN US); **H04L 63/02** (2013.01 - CN)

Citation (examination)
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• "IEEE Standard for Local and metropolitan area networks--Bridges and Bridged Networks--Amendment 29: Cyclic Queuing and Forwarding ; IEEE 802.1Qch-2017 (Amendment to IEEE Std 802.1Q-2014 as amended by IEEE Std 802.1Qca-2015, IEEE Std 802.1Qcd(TM)-2015, IEEE Std 802.1Q-2014/Cor 1-2015, IEEE Std 802.1Q", IEEE STANDARD, IEEE, PISCATAWAY, NJ USA, 28 June 2017 (2017-06-28), pages 1 - 30, XP068114903, ISBN: 978-1-5044-4095-0, [retrieved on 20170628], DOI: 10.1109/IEEESTD.2017.7961303
• See also references of WO 2021037837A1

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