

Title (en)
METHODS AND APPARATUS OF RELIABLE MULTICAST TRANSMISSION

Title (de)
VERFAHREN UND VORRICHTUNG FÜR ZUVERLÄSSIGE MULTICAST-ÜBERTRAGUNG

Title (fr)
PROCÉDÉS ET APPAREIL DE TRANSMISSION EN MULTIDIFFUSION FIABLE

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Application
EP 21813568 A 20210527

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Abstract (en)
[origin: WO2021239062A1] Apparatus and methods are provided for reliable multicast transmission. In one novel aspect, a new multicast radio bearer structure with associated unicast RB is provided to enable reliable multicast transmission. In one embodiment, the associated unicast RB is used for both the uplink feedback and downlink retransmission of the multicast packets. In another embodiment, dynamic transmission mode switch procedure is provided. The MBS transmission switches from PTM transmission to PTP transmission. The MBS packets reception at the UE switches from the PTM leg to the PTP leg. In one embodiment, the dynamic switch procedure is anchored by the common PDCP entity of the PTM leg and the PTP leg. In another embodiment, lossless handover is achieved via PDCP layer packets-based data forwarding for the multicast transmission. In one embodiment, a counter or a timer is used to control the number of packets being forwarded to the target.

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H04W 4/06 (2013.01); **H04W 36/0007** (2018.08)

Citation (search report)
• [Y] EP 2600539 A2 20130605 - KOREA ELECTRONICS TELECOMM [KR]
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• [A] HUAWEI: "New Work Item on NR support of Multicast and Broadcast Services", vol. TSG RAN, no. Sitges, Spain; 20191209 - 20191212, 12 December 2019 (2019-12-12), XP051840378, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_86/Docs/ RP-193248.zip RP-193248_New WID on NR support of Multicast and Broadcast Services_track_changes.doc> [retrieved on 20191212]
• See also references of WO 2021239062A1

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