

Title (en)

ENHANCED NODE B AND METHOD FOR RRC CONNECTION ESTABLISHMENT FOR SMALL DATA TRANSFERS

Title (de)

ERWEITERTER NODE-B UND VERFAHREN ZUR RRC-VERBINDUNGSSHERSTELLUNG FÜR KLEINE DATENÜBERTRAGUNGEN

Title (fr)

NOEUD B AMÉLIORÉ, ET PROCÉDÉ D'ÉTABLISSEMENT DE CONNEXION RRC POUR DES TRANSFERTS DE PETITES DONNÉES

Publication

EP 2982055 A1 20160210 (EN)

Application

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Abstract (en)

[origin: US2014301288A1] Embodiments of an enhanced Node B (eNB) and method for RRC connection establishment for small-data transfers in a 3GPP LTE network are generally described herein. The eNB may receive a small-data RRC connection request message from user equipment (UE) that may include an establishment clause value indicating small-data traffic either with or without mobility. The eNB may send an initial UE setup request message to inform the mobility management entity (MME) that a small-data RRC connection is being established. The eNB may receive an acceptance message from the MME for the small-data RRC connection which may include a reduction of an RRC inactivity timer for fast connection release. The eNB may send an RRC connection reconfiguration message to the UE in response to receipt of the acceptance to establish the small-data RRC connection, the RRC connection reconfiguration message including a measurement information element (IE) when mobility is to be supported.

IPC 8 full level

H04B 7/26 (2006.01); **H04W 4/70** (2018.01)

CPC (source: CN EP US)

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US 201314140932 A 20131226; CN 201380073843 A 20131224; CN 201380073911 A 20131227; CN 201380074047 A 20131220;
CN 201380074064 A 20131227; CN 201480010332 A 20140321; CN 201480010992 A 20140403; CN 201480011167 A 20140401;
CN 201480011175 A 20140328; CN 201480011258 A 20140403; CN 201810316235 A 20140321; CN 201910593553 A 20131227;
EP 13880810 A 20131217; EP 13880978 A 20131224; EP 13881212 A 20131227; EP 13881234 A 20131224; EP 13881363 A 20131227;
EP 14778074 A 20140403; EP 14778396 A 20140328; EP 14778657 A 20140402; EP 14778916 A 20140403; EP 14779090 A 20140401;
EP 14780270 A 20140321; ES 13880810 T 20131217; HK 16104825 A 20160427; HK 16104827 A 20160427; HK 16104927 A 20160429;
HK 16104928 A 20160429; HK 16104950 A 20160429; HK 16104954 A 20160429; HK 16105508 A 20160513; HK 16105511 A 20160513;
HK 16107952 A 20160707; HK 19100732 A 20190116; HU E13880810 A 20131217; JP 2015561333 A 20131224; JP 2018005526 A 20180117;
KR 20157024073 A 20140401; TW 103112140 A 20140401; TW 103112287 A 20140402; TW 103112288 A 20140402;
TW 103112289 A 20140402; TW 103112303 A 20140402; TW 103112307 A 20140402; TW 103112537 A 20140403; TW 103112548 A 20140403;
US 2013075726 W 20131217; US 2013077163 W 20131220; US 2013077636 W 20131224; US 2013077666 W 20131224;
US 2013077905 W 20131227; US 2013077906 W 20131227; US 201314107947 A 20131216; US 201314137500 A 20131220;
US 201314141179 A 20131226; US 201314141876 A 20131227; US 201314771853 A 20131224; US 201314772495 A 20131227;
US 201314772523 A 20131227; US 201314776625 A 20131224; US 201314777122 A 20131217; US 201314778801 A 20131220;
US 2014031509 W 20140321; US 2014032251 W 20140328; US 2014032532 W 20140401; US 2014032697 W 20140402;
US 2014032795 W 20140403; US 2014032797 W 20140403; US 2014032855 W 20140403; US 201414773296 A 20140321;
US 201414781497 A 20140328; US 201514845019 A 20150903; US 201514918990 A 20151021; US 201615262348 A 20160912