Title (en)

BEAM FAILURE DETECTION, CANDIDATE BEAM DETECTION AND BEAM FAILURE RECOVERY IN NEW RADIO

Title (de)

STRAHLAUSFALLERKENNUNG, KANDIDATENSTRAHLERKENNUNG UND STRAHLAUSFALLWIEDERHERSTELLUNG IM NEUEM FUNK

Title (fr)

DÉTECTION DE DÉFAILLANCE DE FAISCEAU, DÉTECTION DE FAISCEAU CANDIDAT ET REPRISE SUR DÉFAILLANCE DE FAISCEAU EN NOUVELLE RADIO

Publication

**EP 3841681 A4 20220615 (EN)**

Application

**EP 19850942 A 20190819**

Priority
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- US 2019047080 W 20190819

Abstract (en)

[origin: WO2020041205A1] An apparatus of a next generation NodeB (gNB) comprises one or more baseband processors transmit one or more reference signals to a user equipment (UE) to perform radio link monitoring (RLM), beam failure detection (BFD), candidate beam detection for beam failure recovery (BFR), and beam reporting. The one or more reference signals are to be transmitted to the UE at different power levels during different time intervals. The apparatus can include a memory to store the one or more reference signals.

IPC 8 full level

**H04B 7/0408** (2017.01); **H04B 7/06** (2006.01); **H04B 17/309** (2015.01); **H04B 17/336** (2015.01); **H04W 16/28** (2009.01); **H04W 76/19** (2018.01)

CPC (source: EP)

H04B 7/0695 (2013.01); H04B 7/0408 (2013.01); H04B 17/309 (2015.01)

Citation (search report)
- [Y] US 2010113023 A1 20100506 - HUANG LEPING [JP], et al
- [XY] MEDIATEK INC: "Summary 2 on Remaing issues on Beam Failure Recovery", 1 March 2018 (2018-03-01), pages 1 - 27, XP051398655, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F92/Docs/> [retrieved on 20180301]
- [Y] MEDIATEK INC: "Discussion on requirements for beam failure detection", vol. RAN WG4, no. Gothenburg, SE; 20180820 - 20180824, 10 August 2018 (2018-08-10), XP051579252, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG4%5FRadio/TSGR4%5F88/Docs/R4%2D1810249%2Ezip> [retrieved on 20180810]
- See references of WO 2020041205A1

Designated contracting state (EPC)

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**WO 2020041205 A1 20200227**; EP 3841681 A1 20210630; EP 3841681 A4 20220615

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