Abstract (en)

[origin: WO2020033621A1] An apparatus configured to be employed in an eNodeB associated with a machine type communication (MTC) system is disclosed. The apparatus comprises one or more processors configured to configure a mapping between cell-specific reference signal (CRS) antenna ports and demodulation reference signals (DMRS) antenna ports for an MTC physical downlink control channel (MPDCCH) associated with a UE, forming a CRS-to-DMRS antenna port mapping, to be provided to the UE, in order to enable the UE to perform coherent demodulation of the MPDCCH, based on CRS and DMRS. The one or more processors is further configured to generate a physical channel configuration signal comprising one or more mapping information parameters indicative of the CRS-to-DMRS antenna port mapping, in order to provide information on the CRS- to-DMRS antenna port mapping to the UE.

IPC 8 full level

H04L 5/00 (2006.01); H04B 7/06 (2006.01); H04L 1/02 (2006.01); H04L 25/02 (2006.01); H04W 4/70 (2018.01); H04W 72/04 (2009.01); H04W 72/12 (2009.01)

CPC (source: EP)

H04B 7/0456 (2013.01); H04L 5/0051 (2013.01); H04L 5/0053 (2013.01); H04L 5/0094 (2013.01); H04L 25/0224 (2013.01); H04W 4/70 (2018.02); H04L 1/0606 (2013.01); H04L 5/0023 (2013.01); H04L 5/0057 (2013.01)

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- See also references of WO 2020033621A1

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