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(71) Applicant *(for all designated States except US)*: **PANASONIC CORPORATION** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **LÖHR Joachim** [DE/DE]; Monzastrasse 4c, 63225 Langen (DE). **GOLITSCHEK EDLER VON ELBWART, Alexander** [DE/DE]; Monzastrasse 4C, 63225 Langen (DE). **FEUERSÄNGER, Martin** [DE/DE]; Monzastrasse 4c, 63225 Langen (DE). **WENGERTER, Christian** [DE/DE]; Monzastrasse 4c, 63225 Langen (DE).

(74) Agent: **KUHL, Dietmar**; Grünecker, Kinkeldey, Stockmair & Schwanhäusser, Leopoldstrasse 4, 80802 München (DE).

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(54) Title: SEMI-PERSISTENT SCHEDULED RESOURCE RELEASE PROCEDURE IN A MOBILE COMMUNICATION NETWORK

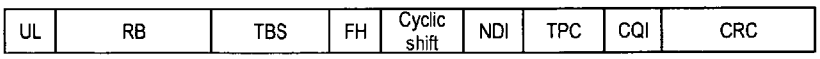


Fig. 5

(57) Abstract: The invention relates to a method for deactivating a semi-persistent resource allocation of a user equipment in an LTE-based mobile communication system. Furthermore, the invention also related to a user equipment and a eNode B implementing this method. To provide a mechanism for deactivating a semi-persistent resource allocation in a LTE system which is not requiring any changes to the Physical layer-to-MAC layer interface and/or preferably no changes to the PDCCH formats agreed by the 3GPP a combination of NDI value and MCS index is defined that is commanding the release of SPS resources. Alternatively, another solution proposed to define a special transport block size that when signaled in a PDCCH is commanding the release of SPS resources.