APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT PROVIDING IDLE MODE DISCONTINUOUS RECEPTION

ABSTRACT

A network sends an indication of discontinuous reception period (Idle_Mode_DRX_Period) and an indication of number of paging groups (Paging_Group_Count). Paging occasions for a user equipment are determined by a predetermined formula. One exemplary formula is SFN mod IDLE_Mode_DRX_Period = (IDLE_Mode_DRX_Period div Paging_Group__Count) * (ID) mod (Paging_Group_Count); where SFN is system frame number and *ID* is the identifier of the user equipment, which can be IMSI or some value derived from IMSI. The UE's temporary ID is sent during a determined paging occasion, which maps to a paging channel on which the page is sent. Options for restricting the paging occasion to less than a frame, and for offsetting the paging occasions from that of the above formula are detailed.

[FIG. 3]