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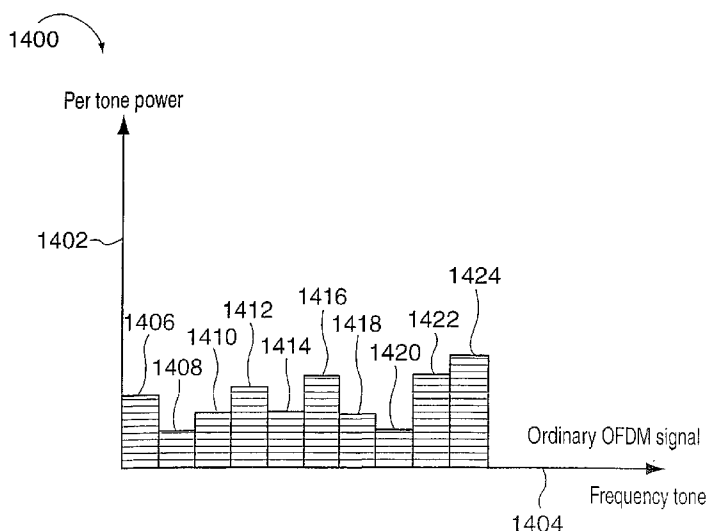
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: BEACON SIGNALING IN A WIRELESS SYSTEM



(57) Abstract: A few high power tones (1506, 1508) used for synchronization and/or other purposes are transmitted in a FDM system (400) during a period of time into a region, e.g., sector (SECTOR 1-Y) of a cell (Cell 1-N), e.g., a symbol transmission time period. During normal data transmission symbol periods, signals are transmitted using at least 10 tones, e.g., per symbol time. Less than 5 high power signals (1506, 1508) are transmitted in a symbol time with at least 80% the maximum total transmitter power used for transmitting into said region being allocated to the high power signals where the maximum total transmitter power is determined from a period of time which may includes one or more data and/or high power tone (1506, 1508) transmission periods. When the high power tones (1506, 1508) are transmitted at most 20% of transmitter power used for transmitting into the region is available for transmitting other tones with the power normally being distributed among multiple tones. Often some tones, which would be transmitted in a symbol time go unused during transmission of the high power signals (1506, 1508).

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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