

CLAIMS

1. A method in a wireless cellular telecommunications device camped on a serving cell, the device storing a parameter obtained by decoding system
5 information of a first cell, the method comprising:
 measuring an attribute of a signal received from a candidate cell; and,
 evaluating the candidate cell for re-selection based on the measured attribute according to a priority-based re-selection algorithm irrespective of the stored parameter, wherein the parameter indicates a minimum required received
10 signal code power.
2. A method according to claim 1, further comprising performing re-selection from the serving cell to the candidate cell based on the evaluation.
- 15 3. A method according to claim 1 or 2, in which the evaluation of the candidate cell includes:
 acquiring system information of the candidate cell, the system information including a parameter;
 determining if the measured attribute exceeds the candidate cell
20 parameter by a predetermined amount; and,
 if the measured attribute exceeds the candidate cell parameter by a predetermined amount, performing re-selection to the candidate cell.
4. A method according to claim 3, in which the predetermined amount is
25 0dB.
5. A method according to claim any preceding claim, in which the evaluation of the candidate cell for re-selection includes:
 determining if the measured attribute exceeds a predetermined default
30 value; and,
 if the measured attribute fails to exceed the predetermined default value, determining that the candidate cell does not meet re-selection requirements.

6. A method according to any preceding claim, in which the measured attribute is received signal code power (RSCP).
7. A method according to any preceding claim, in which the candidate cell is
5 a UTRAN cell.
8. A method according to any preceding claim, in which the serving cell is a GERAN cell.
- 10 9. A method according to any preceding claim, further comprising:
measuring an attribute of a signal received from a second cell; and,
evaluating the second cell for re-selection based on the measured attribute and the stored parameter according to a ranking algorithm.
- 15 10. A method according to any preceding claim, in which the serving and candidate cells are of the same wireless radio network.
11. A method according to any of claims 1 to 9, in which the serving and candidate cells are of different wireless radio networks.
- 20 12. A wireless cellular telecommunications device adapted to:
camp on a serving cell;
store a parameter obtained by decoding system information of a first cell;
and,
25 perform the method of any preceding claim.
13. A computer-readable storage medium having stored thereon instructions which can be executed by a device to carry out the actions of any of claims 1 to 11.

Claims

1. A method in a wireless cellular telecommunications device camped on a serving cell, the device storing a parameter obtained by decoding system information of a first cell (906), the method comprising:
 - measuring an attribute of a signal received from a candidate cell; and
 - evaluating the candidate cell for re-selection based on the measured attribute (918) according to a priority-based re-selection algorithm irrespective of the stored parameter, wherein the stored parameter indicates a minimum required received signal code power.
2. A method according to claim 1, further comprising performing re-selection from the serving cell to the candidate cell based on the evaluation (920).
3. A method according to claim 1 or 2, in which the evaluation of the candidate cell includes:
 - acquiring system information of the candidate cell, the system information including a candidate cell parameter (904);
 - determining if the measured attribute exceeds the candidate cell parameter by a predetermined amount (914); and
 - if the measured attribute exceeds the candidate cell parameter by a predetermined amount, performing re-selection to the candidate cell (920).
4. A method according to claim 3, in which the predetermined amount is OdB.
5. A method according to any preceding claim, in which the evaluation of the candidate cell for re-selection includes:
 - determining if the measured attribute exceeds a predetermined default value; and
 - if the measured attribute fails to exceed the predetermined default value, determining that the candidate cell does not meet re-selection requirements.

6. A method according to any preceding claim, in which the measured attribute is received signal code power, RSCP.
7. A method according to any preceding claim, in which the candidate cell is a UTRAN cell.
8. A method according to any preceding claim, in which the serving cell is a GERAN cell.
9. A method according to any preceding claim, further comprising:
measuring an attribute of a signal received from a second cell; and,
evaluating the second cell for re-selection based on the measured attribute and the stored parameter according to a ranking algorithm.
10. A method according to any preceding claim, in which the serving and candidate cells are of the same wireless radio network.
11. A method according to any of claims 1 to 9, in which the serving and candidate cells are of different wireless radio networks.
12. A wireless cellular telecommunications device comprising means adapted to:
camp on a serving cell;
store a parameter obtained by decoding system information of a first cell;
and,
perform the method of any preceding claim.
13. A computer-readable storage medium having stored thereon instructions which can be executed by a device to carry out the actions of any of claims 1 to 11.