CLAIMS

1. A method of pairing mobile devices for transferring data between paired mobile devices, the method comprising,

(i) verifying pairing parameters with pairing conditions to determine the mobile devices for pairing, at least one of the pairing parameters being received from the mobile devices to be paired, the pairing being initiated by shaking movements of the mobile devices, which are not in contact with each other, and the at least one pairing parameter includes respective orientations of the mobile devices and determining that the mobile devices are pointing at each other based on the respective orientations;

and

(iii) if the pairing conditions are satisfied, pairing the mobile devices.

2. A method according to claim 1, wherein at least one of the parameters is provided by a pairing server for pairing the mobile devices.

3. A method according to claim 1 or 2, further comprising determining if the orientations of the mobile ~~phones~~devices are to be used in the verification step (i); and if so, verifying the orientations of the mobile devices.

4. A method according to claim any preceding claim, further comprising continuously recording the orientation of the mobile devices.

5. A method according to claim 4, further comprising obtaining the orientations of the mobile devices at a predetermined time before initiation of the shaking movements.

6. A method according to claim 5, wherein the predetermined time is 1 second.

7. A method according to any preceding claim, wherein verifying the pairing parameters with the pairing conditions include inversing the orientation of one of the mobile devices to obtain an inversed orientation, and comparing the inversed orientation with the orientation of the other one or more mobile devices.

8. A method according to claim 7, further comprising deriving maximum and minimum values of the inversed orientation based on an error margin, and comparing the maximum and minimum value with the orientation of the other one or more mobile devices.

9. A method according to any preceding claim, wherein the pairing parameters include geographical locations of the mobile ~~phones~~devices and/or pairing initiation times at which requests for pairing are received.

10. A method according to claim 9, wherein the pairing conditions include a distance threshold, and step (i) includes determining distance between the two mobile ~~phones~~devices based on the geographical locations of the mobiles ~~phones~~devices; and comparing the distance with the distance threshold.

11. A method according to claim 9 or 10, wherein the pairing conditions include a time threshold, and step (i) includes determining difference between the initiation times of the two mobile ~~phones~~devices; and comparing the difference with the time threshold.

12. A method according to any preceding claim, wherein step (iii) includes generating a connection identifier for identifying the mobile devices for pairing; and transmitting the connection identifier to the two mobile devices; wherein the connection identifier is transmitted together with the data to be transferred.

13. A method according to any preceding claim, wherein step (iii) includes pairing a said mobile device with another mobile device.

14. A method according to any of claims 1 to 12, wherein step (iii) includes pairing a said mobile device with a plurality of other mobile devices.

15. Apparatus for pairing mobile devices for transferring data between paired mobile devices, the apparatus comprising

a controller for verifying pairing parameters with pairing conditions to determine the mobile devices for pairing, at least one of the pairing parameters being received from the mobiles devices to be paired, the pairing being initiated by shaking movement of the mobile devices, which are not in contact with each

other, and the pairing parameters including respective orientations of the mobile devices and determining that the mobile devices are pointing at each other based on the respective orientations, wherein the controller is further configured for pairing the mobile devices based on the verified pairing parameters.

16. A method of pairing mobile devices for transferring data between paired mobile devices, the method comprising

(i) shaking a mobile device to initiate a pairing request with another mobile device, the mobile device not in contact with the other mobile device ;

(ii) in response to the shaking, transmitting at least one pairing parameter to a pairing server for verification against pairing conditions, the at least one pairing parameter including orientation of the mobile device to determine whether or not the mobile device being shaken is pointing to another mobile device to be paired; and

(iii) receiving a connection identifier from the pairing server, the connection identifier being used in the data transfer.

17. A method of pairing mobile devices for transferring data between paired mobile devices, the method comprising

(i) shaking the mobile devices to initiate pairing requests, the mobile devices not in contact with each other;

(ii) verifying pairing parameters with pairing conditions by a pairing server to determine the mobile devices for pairing, at least one of the pairing parameters being received from the mobile devices to be paired, the at least one pairing parameter including respective orientations of the mobile devices to determine whether or not the mobile devices are pointing at each other;

(iii) if the pairing conditions are satisfied, generating a connection identifier for identifying the mobile devices for pairing; and

(iv) transmitting the connection identifiers to the mobile ~~phones~~devices.