

ABSTRACT**METHOD AND SYSTEM FOR CONTROLLING ACCESS TO WIRELESS APPARATUSES**

A method and system for securely controlling access between two wireless apparatus, such as Bluetooth enabled apparatus. The system also comprises a supervisor apparatus. The first apparatus is paired to the second apparatus by establishing a secure wireless communications link such as a Bluetooth link. The first apparatus includes a stored partial link key and a link key generator used to generate a link key for establishing the secure communications link. The first apparatus also receives a first secret key from the user of the apparatus, and may optionally receive a second secret key from the supervisor apparatus. The link key generator is configured to generate either a first link key based upon a stored first partial link key, the first secret key and the second secret key or a second link key based upon the stored first partial link key and the first secret key if the second secret key is unavailable (for example out of communications range with the supervisor apparatus). Once the secure connection is established the first apparatus attempts to access functions and resources provided by the second apparatus. An access control module in the second apparatus determines the level of access that the first apparatus is granted based upon the link key used to establish the secure connection. If the first link key is used, full access is provided, and if the second link key is used restricted access is provided. If the link key is not recognised (i.e. does not match a stored link key) no secure link is established, and no access is granted.

FIGURE 3