create a new business for rental car companies competing for business travelers in the saturated airport rental car market.

Figure 6.3: Application of Java ring in opening the door

User simply has to press the signet of the Java ring against the blue dot receptor and the system connected to the receptor performs the function that the applets instruct it to. Java ring has the user profile and the same profile is present in the door embedded system also, when the user press the signet of the Java ring against the Java ring reader which is embedded at the handle of the door the data is transferred from the ring to door system. If the profile is authentic means user is authentic to open the door the applets present in the ring instruct the door to open.

Information is transferred between iButton and a PC with a momentary contact, at up to 142K bits per second. To do that one presses iButton to the Blue Dot receptor, a $15 pipeline into PC. The Blue Dot sticks to any convenient spot on the front of a PC and is cabled to the serial or parallel port in the back. According to the Dallas Superconductor's information, over 41 million iButtons are currently in circulation. List of the major users include the U.S. Post Office, entire truck fleet fitted with iButtons that track vehicle maintenance; Citizens of Is that know,