CHILD AUTO ATTENDANCE AND GUARDIAN IDENTIFICATION USING RFID-BIOMETRIC-INFORMATION SYSTEM

DESCRIPTION

1. Due to the interchangeable roles of the guardians and the open concept nature of kindergartens and child-care centers, child security is not guaranteed and the center-guardian relationship is based on that of trust or scheduled timetable; after class, the children will be free to accompany their guardians back home. As such, recently with rumors of kidnapping threats circulating around the internet, it has caused anxiety amongst guardians. Manual attendance tracking has been regarded to be a tedious process, prone to mistake, can be easily tampered with and it is not real-time.

159159

G00001

CLAIMS

[0001] To register child attendance automatically and provide guardian identification, a combination of RFID, Biometric and Information System will be used. Biometric fingerprint (130) scan is to verify the guardian presence before and after class. RFID tag (110) will be affixed onto the child's uniform. RFID readers and antennas (120) will be mounted at a passage-point which will capture the attendance of the child automatically. RFID cards will be issued for guardians whose fingerprint scan is not able to be captured. The software package (140) will process the RFID and Biometric data to display the child attendance and verify the guardian's identification correspondingly.