

[19] Patents Registry  
The Hong Kong Special Administrative Region  
香港特別行政區  
專利註冊處

[11] 1208591 A

[12]

**SHORT-TERM PATENT SPECIFICATION**  
**短期專利說明書**

[21] Application No. 申請編號  
15107889.2

[51] Int.Cl.<sup>8</sup> G07C

[22] Date of filing 提交日期  
14.08.2015

[45] Publication Date of granted patent 批予專利的發表日期  
04.03.2016

[73] Proprietor 專利所有人  
SCHOOL BUS SERVICES COMPANY LIMITED  
FLAT11, 11/F, GUARDFORCE CENTRE  
NO.3 HOK YUEN STREET EAST  
HUNG HOM, KOWLOON  
HONG KONG  
學校巴士服務有限公司  
香港

[72] Inventor 發明人  
CHAN TUNG YEUNG ANDREW 陳東陽

[74] Agent and / or address for service 代理人及/或送達地址  
BENNY KONG & TSAI  
Unit 19B, Overseas Trust Bank Building  
No. 160 Gloucester Road  
Wanchai HONG KONG

[54] A SCHOOL BUS SYSTEM 一種校車系統

[57] A school bus system, comprising the smart card (1) for every student, the card reader (2) installed in the school bus, the first mobile intelligent terminal (3) for the caregivers who working in the school bus, the backend server (4) and the second mobile intelligent terminal for the parents (6), the caregivers and the parents can obtain and browse the information of the students getting on or off the school bus on the first mobile intelligent terminal and the second mobile intelligent terminal through the backend server. Implementing the school bus system, the caregivers can get the information about where the students having to get on or off the school bus, in order to reminding the students when needing to get off the bus, and the school bus system could transmit the information about when and where the students getting on or off the school bus to the backend server, so the parents can get the information about the students getting on or off the school bus on the second mobile intelligent terminal through the backend server.

一種校車系統，包含配置給各個學生的智慧卡 (1)、安裝在校車上的讀卡器 (2)、配置給工作在校車上看護人員的第一移動智慧型終端 (3)、後臺伺服器 (4) 及配置給家長的第二移動智慧型終端 (6)，看護人員和家長能夠分別通過第一移動智慧型終端及第二移動智慧型終端從後臺伺服器獲取學生的上下車資料並進行查看。實施本實用新型的校車系統，看護人員能夠知道該校車上各學生需要在何地上下車，以在學生需要下車是進行提醒，並且該系統將學生上下車的時間及地點等記錄將傳送到後臺伺服器，家長通過第二移動智慧型終端可以從後臺伺服器獲取手機學生的上下車情況。

