



(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 71

(48) Corrigendum issued on:
16.12.2015 Bulletin 2015/51

(43) Date of publication:
07.10.2015 Bulletin 2015/41

(21) Application number: **13858263.0**

(22) Date of filing: **28.11.2013**

(51) Int Cl.:
G08G 1/00 (2006.01) B60L 3/00 (2006.01)
H02J 7/00 (2006.01)

(86) International application number:
PCT/JP2013/082035

(87) International publication number:
WO 2014/084305 (05.06.2014 Gazette 2014/23)

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **30.11.2012 JP 2012263385**

(71) Applicants:
• **Kabushiki Kaisha Toshiba**
Minato-ku,
Tokyo 105-8001 (JP)
• **Toshiba Solutions Corporation**
Kawasaki-shi,
Kanagawa 212-8585 (JP)

(72) Inventors:
• **KANO, Makoto**
Kawasaki-shi, Kanagawa 2128585 (JP)
• **SUZUKI, Hiroyuki**
Kawasaki-shi, Kanagawa 2128585 (JP)
• **YAMAMOTO, Junichi**
Kawasaki-shi, Kanagawa 2128585 (JP)
• **SHIMADA, Tsuyoshi**
Kawasaki-shi, Kanagawa 2128585 (JP)
• **MATSUI, Kiyoshi**
Kawasaki-shi, Kanagawa 2128585 (JP)
• **NAKAMURA, Junichi**
Tokyo 105-8001 (JP)

(74) Representative: **Hoffmann Eitle**
Patent- und Rechtsanwälte PartmbB
Arabellastraße 30
81925 München (DE)

(54) **CHARGE MANAGEMENT DEVICE**

(57) According to one embodiment, a charge management apparatus includes an input unit (11), a first estimation unit (12), a determination unit (13), a generation unit (14), and an output unit (15). The input unit accepts an input of traffic demand data indicative of a number of vehicles. The first estimation unit estimates charge wait times at plural charge stations based on the traffic demand data. The determination unit compares the estimated charge wait times at the respective charge stations, and determines whether a desired condition is satisfied. The generation unit generates charge recommendation information indicative of a charge station according to determination result. The output unit outputs the charge recommendation information to an external terminal.

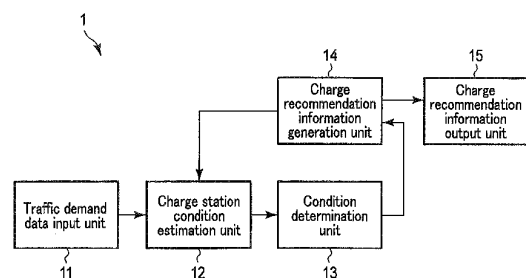


FIG. 1