

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl.7  
H02J 7/00

(11)  
(43)

10-2004-0110029  
2004 12 29

(21) 10-2003-0040405  
(22) 2003 06 20

(71) 2 5445

(72) 185

1120 APT1006 1502

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(54)

OC SOC key-on OCV OCV SOC SOC S  
, 2) SOC , 1) Key-off  
key-on OCV SOC 가 SOC

6

1

2 /

3

4 (key-off )

5 SOC OCV

6 Key-off SOC key-off

가

SOC Ah

OCV SOC SOC SOC 가

가

Ah (Ampere) (hour) SOC(State Of Charge)

OCV SOC (OCV; Open Circuit Voltage) (IR-drop; In

terminal Resistance - drop) SOC

SOC , Ah 가 가 가 가

SOC 가 EV(Electric Vehicles) 가

(HEV; Hybrid Electric Vehicles) 가

가

e) SOC SOC SOC SOC SOC Ah

OCV SOC SOC SOC SOC (Open Circuit Voltage)

가

V SOC SOC SOC key-on OCV OC

1) Key-off SOC

2) SOC key-on

OCV SOC 가

가

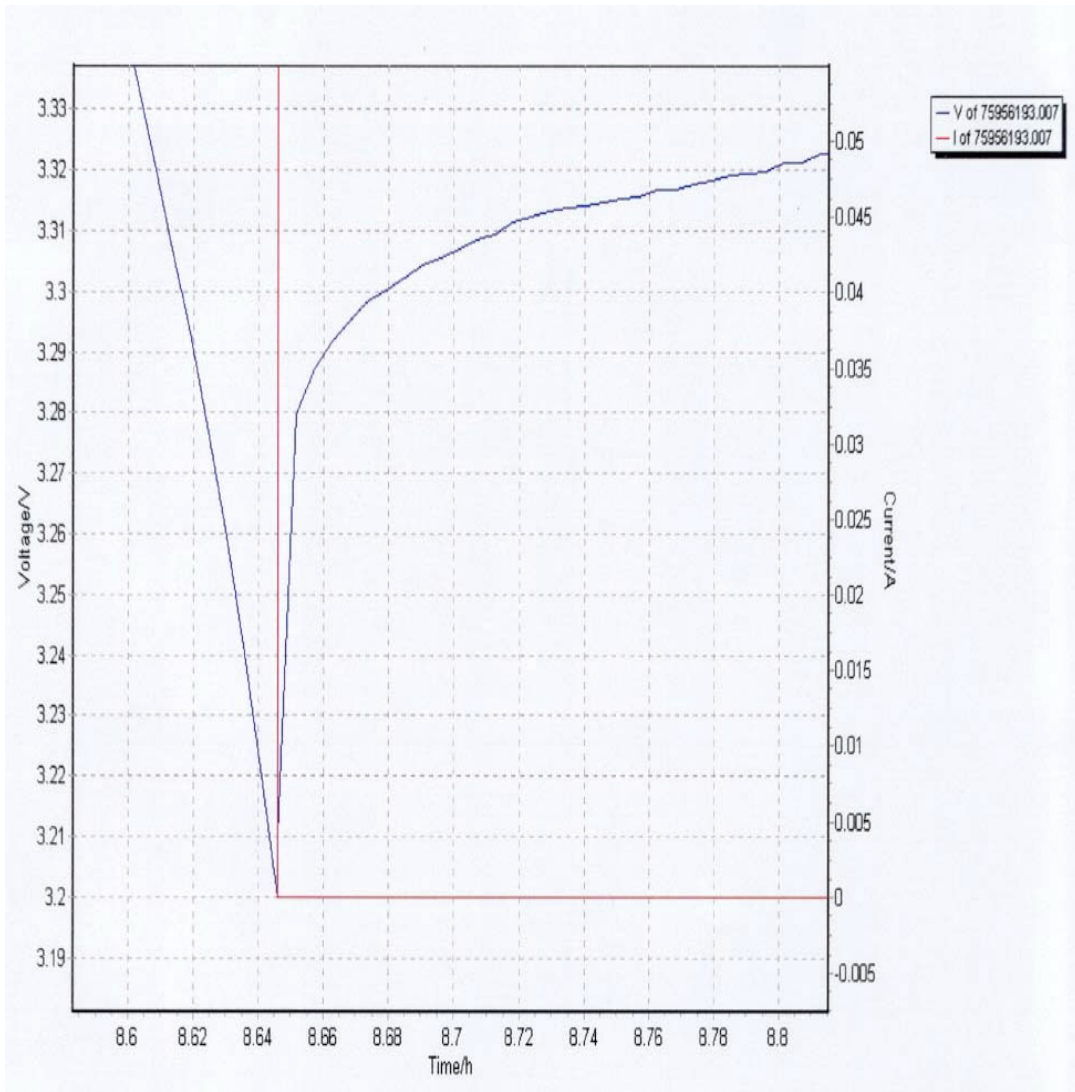
tion) OCV 가 가 (IR-drop) (Polariza  
 , OCV 가  
 , , ,  
 , 가 SOC OCV SOC 가 ,  
 1  
 , (HEV) key-off OCV 가  
 ,  
 1 , 가 가 , 가 SOC  
 .  
 key-on  
 , HEV key-off key-on key-on OCV SOC  
 2 profiles / 11 / SOC SOC , HEV  
 .  
 3 가 HEV profiles  
 3  
 HEV , EV  
 , HEV  
 4 (key-off )  
 .  
 4 가 , OCV SOC  
 .  
 5 SOC OCV  
 .  
 5 가 SOC SOC OCV SOC  
 가 , 가  
 .  
 SOC SOC , OCV  
 .  
 , OCV SOC SOC SOC , Key-off SOC key-on OCV SOC  
 , SOC SOC

key-on OCV SOC 가 .  
 , SOC  $y = A \times (1 - \exp(-k \times (x - x_c)))$  , y OCV 가 , x  
 6 Key-off SOC key-off  
 가 . ( V/hr) 0 ~ mV  
 6  
 0 50mV , profiles 가 OCV  
 SOC A 9.0476 , x<sub>c</sub> -1.016668 , k  
 0.48823

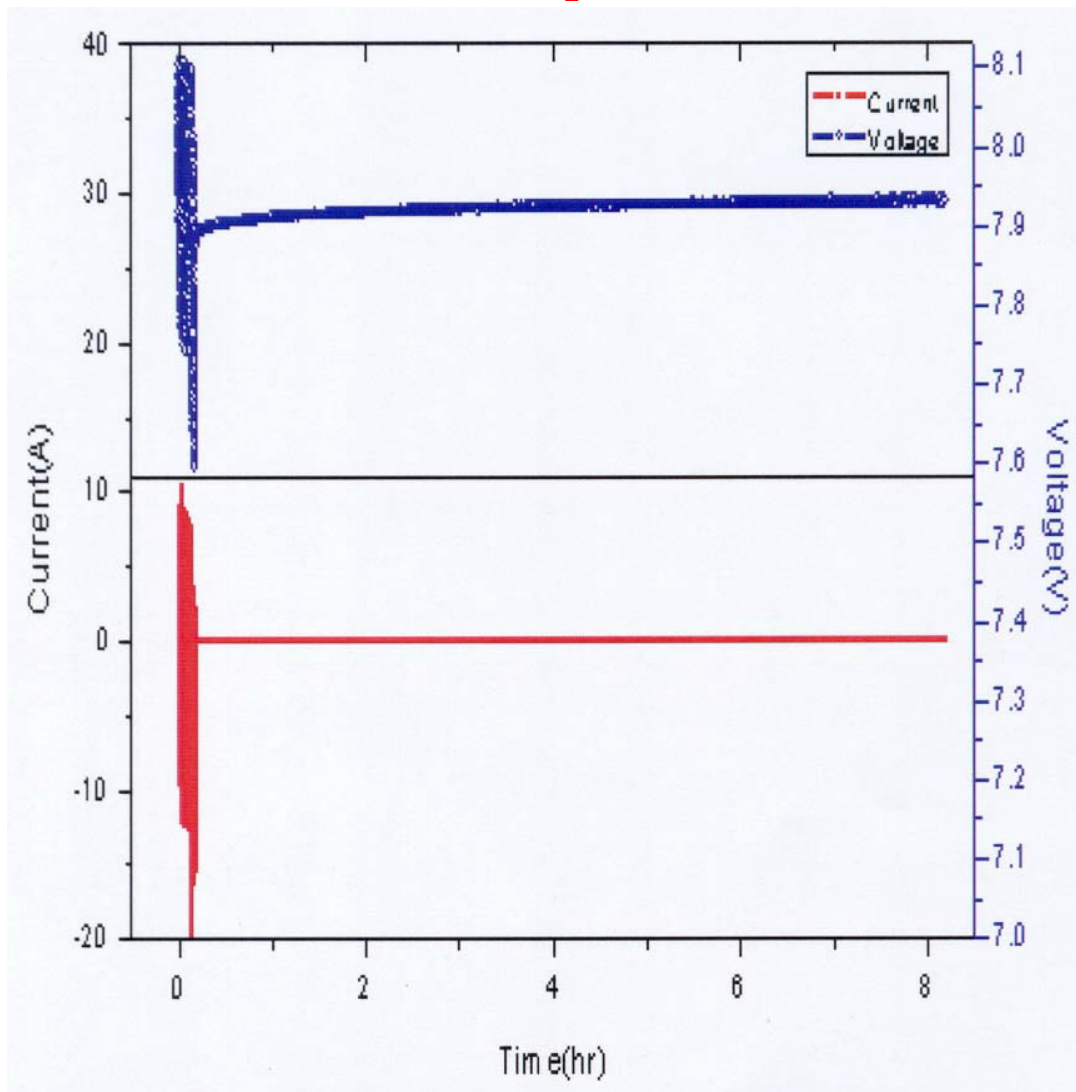
OCV SOC SOC SOC SOC , Ah  
 SOC 가  
 SOC 가 .

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1. V SOC SOC SOC key-on OCV OC  
 1) Key-off SOC ,  
 2) SOC SOC 가 key-on  
 OCV
  2. 1 ,  
 2) profiles 가 OCV  
 0 50mV SOC
  3. 1 ,  
 2) SOC  $y = A \times (1 - \exp(-k \times (x - x_c)))$  , y OCV 가 , x

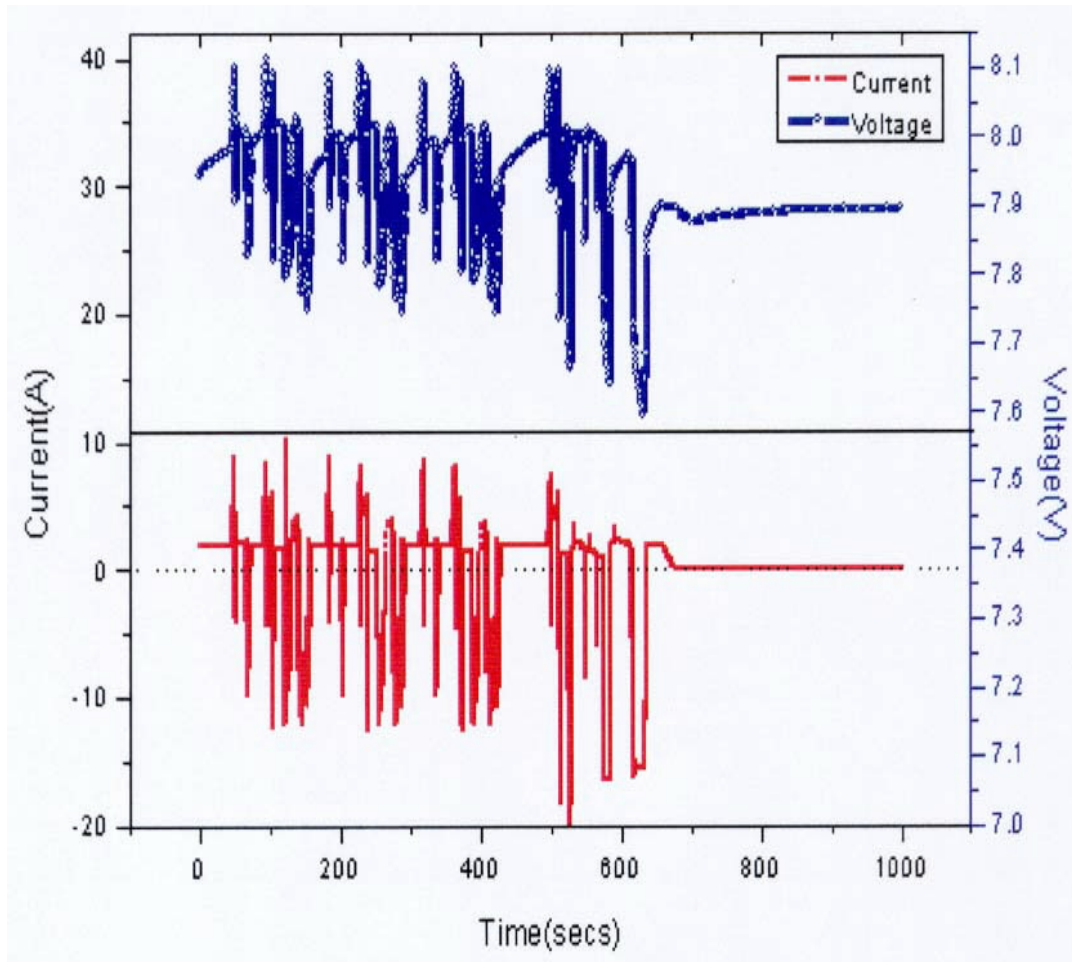
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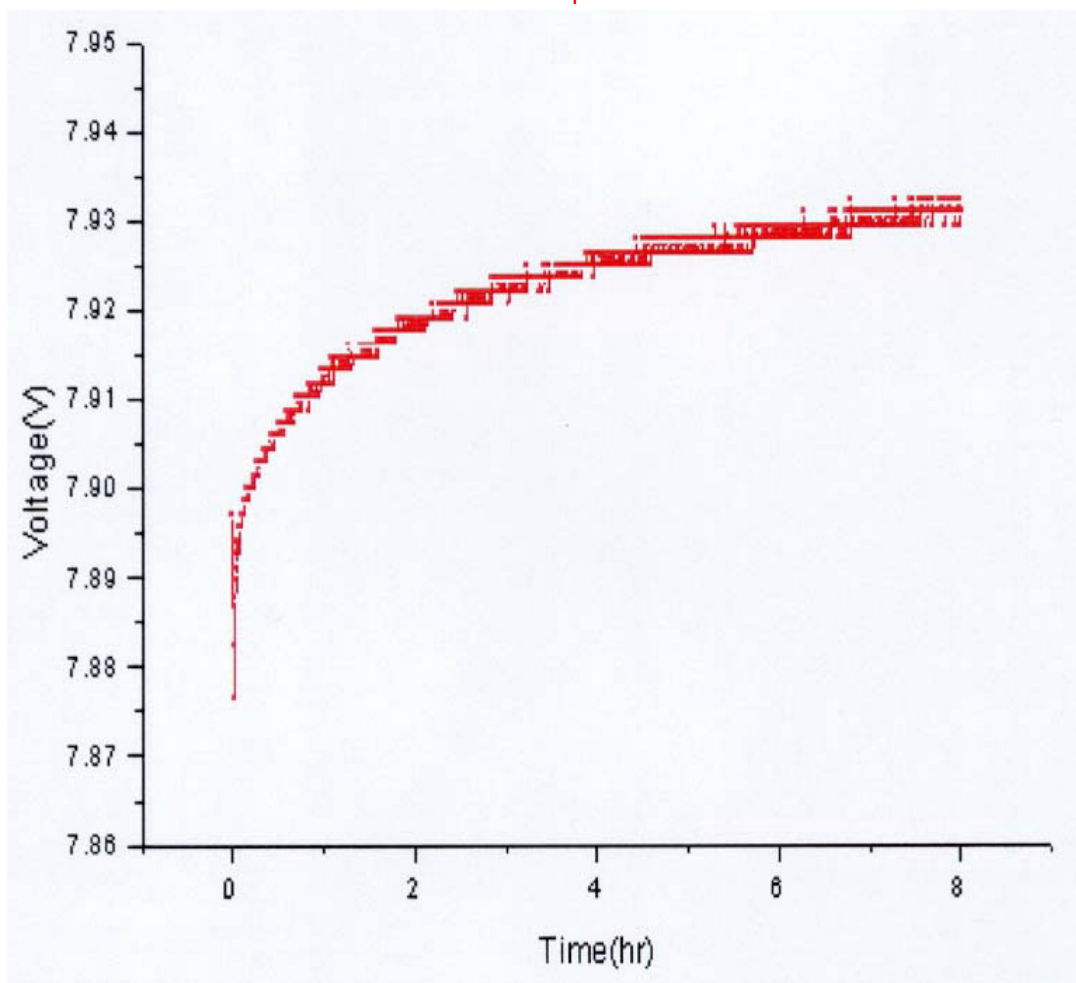
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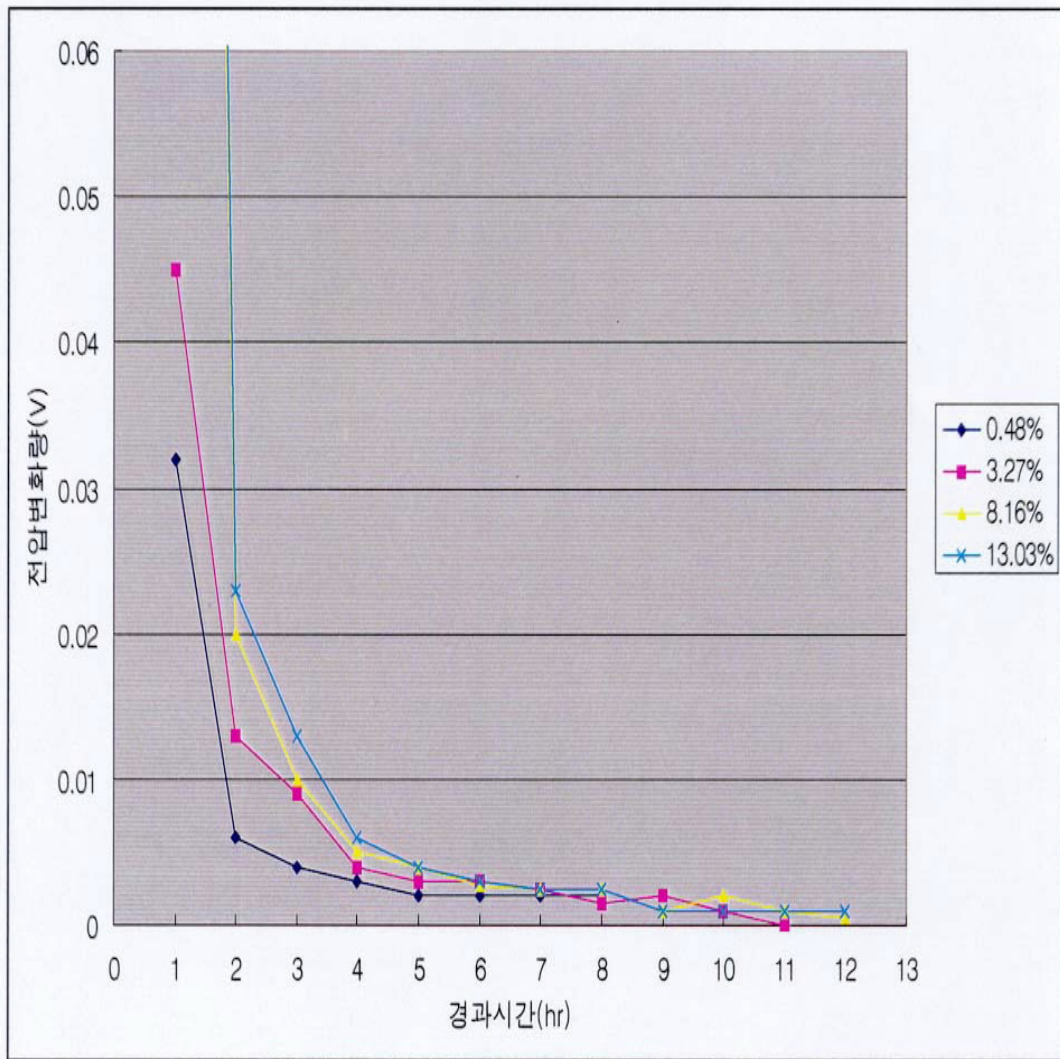
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