



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**07.03.2012 Bulletin 2012/10**

(51) Int Cl.:  
**F02N 11/08** <sup>(2006.01)</sup> **H02P 1/20** <sup>(2006.01)</sup>  
**G05B 19/042** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**02.12.2009 Bulletin 2009/49**

(21) Application number: **09007110.1**

(22) Date of filing: **27.05.2009**

(84) Designated Contracting States:  
**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 SE SI SK TR**  
Designated Extension States:  
**AL BA RS**

(72) Inventor: **Niimi, Masami**  
**Kariya-city**  
**Aichi-pref., 448-8661**  
**(JP)**

(30) Priority: **29.05.2008 JP 2008140580**

(74) Representative: **Kuhnen & Wacker**  
**Patent- und Rechtsanwaltsbüro**  
**Prinz-Ludwig-Strasse 40A**  
**85354 Freising (DE)**

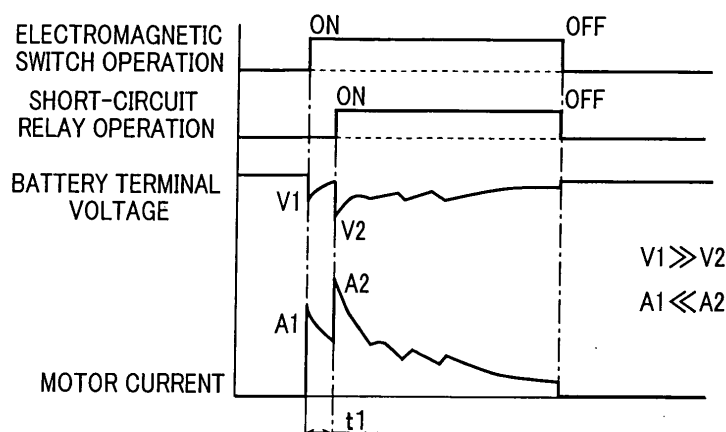
(71) Applicant: **Denso Corporation**  
**Kariya-city,**  
**Aichi 448-8661 (JP)**

(54) **Starter having delay circuit**

(57) A starter includes an electromagnetic switch that opens and closes a main contact point provided on a motor circuit, a current suppressing resistor that is connected to the motor circuit in series with the main contact point, a short-circuit relay that is provided to allow short-circuiting of the current suppressing resistor, a timer circuit that delays operation of the short-circuit relay, and

the like. The timer circuit sets a delay time from when the electromagnetic switch is energized until the short-circuit relay is energized. The delay time is set such that a maximum value of the current flowing to the motor when the short-circuit relay is energized is equal to or less than a maximum current value of current flowing to the motor when the electromagnetic switch is energized.

**FIG.4**  
**PRIOR ART**





## EUROPEAN SEARCH REPORT

Application Number  
EP 09 00 7110

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			H02P G05B
1	Place of search The Hague	Date of completion of the search 31 January 2012	Examiner Trotureau, Damien
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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