



(11) **EP 3 144 520 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A3)
Corrections, see
Bibliography INID code(s) 71

(51) Int Cl.:
F02N 11/08 ^(2006.01) **B60W 30/18** ^(2012.01)

(48) Corrigendum issued on:
10.01.2018 Bulletin 2018/02

(88) Date of publication A3:
12.04.2017 Bulletin 2017/15

(43) Date of publication A2:
22.03.2017 Bulletin 2017/12

(21) Application number: **16195809.5**

(22) Date of filing: **20.01.2010**

(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 SM TR

(30) Priority: **21.01.2009 JP 2009011444**
20.05.2009 JP 2009121640

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
10000547.9 / 2 211 051

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(54) **SYSTEM FOR RESTARTING INTERNAL COMBUSTION ENGINE WHEN ENGINE RESTART
CONDITION IS MET**

(57) In a system, an angle sensor outputs a pulse each time an output shaft of an internal combustion engine rotates by a preset angle, and a calculator calculates speed-change information indicative of a change in a speed of rotation of the output shaft based on the pulses outputted from the angle sensor. A determiner determines, based on the speed-change information, whether at least one of the pulses outputted from the angle sensor represents a proper timing for a preset of a pinion of a

starter with a ring gear mounted on the output shaft. A pinion engaging unit shifts the pinion toward the ring gear so that the pinion is engaged with the ring gear when it is determined that the at least one of the pulses outputted from the angle sensor represents the proper timing for the preset of the pinion with the ring gear.

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FIG.2

