



(11) **EP 2 543 571 A8**

(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

(51) Int Cl.:
B62D 1/18 (2006.01) B62D 5/04 (2006.01)

(86) International application number:
PCT/JP2011/053815

(48) Corrigendum issued on:
27.02.2013 Bulletin 2013/09

(87) International publication number:
WO 2011/108398 (09.09.2011 Gazette 2011/36)

(43) Date of publication:
09.01.2013 Bulletin 2013/02

(21) Application number: **11750510.7**

(22) Date of filing: **22.02.2011**

(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

(30) Priority: **01.03.2010 JP 2010044166**

(71) Applicant: **JTEKT Corporation**
Osaka-shi, Osaka 542-8502 (JP)

(72) Inventors:
• **HOSOMI, Norio**
Osaka-shi
Osaka 542-8502 (JP)
• **TAKE, Tadakatsu**
Yokohama-shi
Kanagawa 220-8623 (JP)

• **TAKEKAWA, Junya**
Yokohama-shi
Kanagawa 220-8623 (JP)
• **SUZUKI, Ryouichi**
Yokohama-shi
Kanagawa 220-8623 (JP)
• **TOGASHI, Shuta**
Yokohama-shi
Kanagawa 220-8623 (JP)

(74) Representative: **Winter, Brandl, Fűrnis, Hübner,**
Röss, Kaiser, Polte - Partnerschaft
Bavariaring 10
80336 München (DE)

(54) **ELECTRIC POWER STEERING APPARATUS**

(57) An electric power steering apparatus (1) includes a steering column (15) that is swung around a tilting spindle (27) during tilt adjustment, a fixing bracket (13) that supports the steering column through the tilting spindle (27), and an electric motor (19) that is supported by the steering column (15) and that is used as a steering auxiliary. The fixing bracket (13) includes a pair of side plates (34, 35) facing each other with the steering shaft (3) therebetween in a vehicle width direction (W1) and a connection member (36) through which the pair of side plates (34, 35) are connected together. Either one of the pair of side plates (34, 35) is provided with a first restraining portion (46) that restrains the steering column (15) from rotating in a first rotation direction (Z1) around the tilting spindle (27). The remaining one of the pair of side plates (34, 35) is provided with a second restraining portion (49) that restrains the steering column (15) from ro-

tating in a second rotation direction (Z2) opposite to the first rotation direction (Z1).

FIG. 3

