



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(51) International Patent Classification (IPC):
F02D 41/14 ^(2006.01) **F02D 45/00** ^(2006.01)
F02D 41/22 ^(2006.01) **F02B 77/08** ^(2006.01)
F02D 41/28 ^(2006.01)

(48) Corrigendum issued on:
01.06.2022 Bulletin 2022/22

(52) Cooperative Patent Classification (CPC):
F02B 77/08; F02D 41/1497; F02D 41/22;
F02D 45/00; F02D 2041/286; F02D 2200/101

(45) Date of publication and mention
of the grant of the patent:
20.04.2022 Bulletin 2022/16

(86) International application number:
PCT/JP2016/066206

(21) Application number: **16803387.6**

(87) International publication number:
WO 2016/194953 (08.12.2016 Gazette 2016/49)

(22) Date of filing: **01.06.2016**

(54) **CONTROL DEVICE**

STEUERUNGSVORRICHTUNG

APPAREIL DE COMMANDE

(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: **02.06.2015 JP 2015111921**

(43) Date of publication of application:
11.04.2018 Bulletin 2018/15

(73) Proprietors:
• **Denso Corporation**
Kariya-shi, Aichi 448-8661 (JP)
Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI 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
• **Yamaha Hatsudoki Kabushiki Kaisha**
Iwata-shi, Shizuoka 438-8501 (JP)

(72) Inventors:
• **HOTTA, Minoru**
Kariya-shi
Aichi 448-8661 (JP)
• **NONOGAKI, Yoshihiko**
Kariya-shi
Aichi 448-8661 (JP)

• **IWAMOTO, Kazuteru**
Iwata-shi
Shizuoka 438-8501 (JP)
• **WAKIMURA, Makoto**
Iwata-shi
Shizuoka 438-8501 (JP)
• **NAGATA, Naoki**
Kariya-shi
Aichi 448-8661 (JP)

(74) Representative: **Stöckeler, Ferdinand et al**
Schoppe, Zimmermann, Stöckeler
Zinkler, Schenk & Partner mbB
Patentanwälte
Radtkoferstrasse 2
81373 München (DE)

(56) References cited:
EP-A1- 0 429 819 DE-A1- 19 610 580
DE-A1-102013 220 413 JP-A- H1 113 531
JP-A- H07 119 536 JP-A- H07 217 489
JP-A- 2002 122 037 JP-A- 2007 198 368
JP-A- 2009 008 057

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).