



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 54

(48) Corrigendum issued on:
24.11.2021 Bulletin 2021/47

(45) Date of publication and mention
of the grant of the patent:
06.10.2021 Bulletin 2021/40

(21) Application number: **17820330.3**

(22) Date of filing: **30.06.2017**

(51) Int Cl.:
C07D 403/04 ^(2006.01) **C07D 413/04** ^(2006.01)
C07D 471/04 ^(2006.01) **C07D 487/04** ^(2006.01)
C07D 513/04 ^(2006.01) **C07D 519/00** ^(2006.01)
A61K 31/4184 ^(2006.01) **A61K 31/423** ^(2006.01)
A61K 31/437 ^(2006.01) **A61K 31/5025** ^(2006.01)
A01N 43/90 ^(2006.01) **A61P 33/00** ^(2006.01)

(86) International application number:
PCT/JP2017/024158

(87) International publication number:
WO 2018/003976 (04.01.2018 Gazette 2018/01)

(54) **N-ALKYLSULFONYL CONDENSED HETEROCYCLIC COMPOUND OR SALT THEREOF,
INSECTICIDE CONTAINING THE COMPOUND, AND METHOD FOR USING THE INSECTICIDE**

N-ALKYLSULFONYL-KONDENSIERTE HETEROCYCLISCHE VERBINDUNG ODER SALZ DAVON,
PESTIZID MIT BESAGTER VERBINDUNG UND VERFAHREN ZUR VERWENDUNG DES
BESAGTEN PESTIZIDS

COMPOSÉ HÉTÉROCYCLIQUE N-ALKYLSULFONYLE FUSIONNÉ OU LEUR SELS, PESTICIDE
CONTENANT LEDIT COMPOSÉ ET PROCÉDÉ D'UTILISATION DUDIT PESTICIDE

(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: **01.07.2016 JP 2016131280**
15.09.2016 JP 2016180927

(43) Date of publication of application:
15.05.2019 Bulletin 2019/20

(73) Proprietor: **Nihon Nohyaku Co., Ltd.**
Tokyo 104-8386 (JP)

(72) Inventors:
• **ABE, Yutaka**
Kawachinagano-shi
Osaka 586-0094 (JP)
• **YAMAUCHI, Chiaki**
Kawachinagano-shi
Osaka 586-0094 (JP)

- **SAKURAI, Yuhji**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **FUJIHARA, Hirokazu**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **MATSUO, Soichiro**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **YONEMURA, Ikki**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **SUWA, Akiyuki**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **FUJIE, Shunpei**
Kawachinagano-shi
Osaka 586-0094 (JP)
- **TANAKA, Ryosuke**
Kawachinagano-shi
Osaka 586-0094 (JP)

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).

(74) Representative: **Witte, Weller & Partner**
Patentanwälte mbB
Postfach 10 54 62
70047 Stuttgart (DE)

WO-A1-2016/142327 **WO-A1-2016/162318**
WO-A1-2017/061497 **WO-A2-2008/132434**

(56) References cited:
WO-A1-95/18801 **WO-A1-2013/018928**
WO-A1-2015/000715 **WO-A1-2016/039444**
WO-A1-2016/091731 **WO-A1-2016/129684**

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification