

Zertifikat

mit überwachter Konformität

Certificate

of surveyed conformity



Zertifikat Nr. *Certificate No.*
J 50406092

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
17-306-028N

Unser Zeichen *Our Reference*
ZO--09561116 008

Ausstellungsdatum *Date of Issue*
22.05.2018 (day/mo/yr)

Genehmigungsinhaber *License Holder*
IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC CORPORATION
Takino Plant
355-18 Kuroishi, Kohtaka
Kato-shi, Hyogo
679-0221 Japan

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch

Model:	TW/TWS series	5
Type Designation:	see Appendix 1	11
Overvoltage Category:	II	
Rated Conditional		
Short-Circuit Current:	100 A	
Protection Class:	II (Between accessible parts and live parts)	

Remark: 1) Type AV, AX cannot apply as emergency stop switch (EN60947-5-5).
2) Reissue of J 50295363 due to change of suffix of type designation and test requirements.

continued on page 0002



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ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Vilmos Sztaroveczki

Zertifikat

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Zertifikat Nr. *Certificate No.*
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0002

Ihr Zeichen *Client Reference*
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Unser Zeichen *Our Reference*
ZO--09561116 008

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22.05.2018
(day/mo/yr)

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2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC CORPORATION
Takino Plant
355-18 Kuroishi, Kohtaka
Kato-shi, Hyogo
679-0221 Japan

Prüfzeichen *Test Mark*



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ID 1419057544

Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Continuation

Pollution Degree for contact block type HW-C, HW-F, HW-G:

Pollution Degree: 3 (Contact, without transformer,
with transformer Type HW-T)
2 (with transformer Type HW-L)

Pollution Degree for contact block type HW-U:

Pollution Degree: 3 (Contact, without transformer,
with transformer Type HW-T,
with transformer Type HW-L,
with transformer Type TW-T,
with transformer Type TW-F)
2 (Type AXW inside of switch)

continued on page 0003



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Zertifikat
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Zertifikat Nr. *Certificate No.*
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0003

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
17-306-028N	ZO--09561116 008	22.05.2018	

Genehmigungsinhaber *License Holder*
IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC Izumi Taiwan Corp.
87, Swi Kuan Road,
Chu Hou Village, Jen Wu District,
Kaohsiung City 81465
Taiwan, R.O.C.

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Continuation

Contact Block: HW-G, HW-C, HW-F
Utilization Category: AC-15, DC-13, DC-13
Operation Voltage: 250V, 125V, 125V
Operation Current: 3A, 1,1A, 0,9A

Contact Block: HW-U
Utilization category: AC-15, AC-15, AC-15, DC-13, DC-13
Operation voltage: 250V, 400V, 600V, 125V, 125V
Operation current: 3A, 2A, 1,2A, 1,1A, 0,9A

Addition
Factory: (see above)



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Zertifikat Nr. *Certificate No.*
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0004

Ihr Zeichen *Client Reference*
17-306-028N

Unser Zeichen *Our Reference*
ZO--09561116 008

Ausstellungsdatum
22.05.2018

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC CORPORATION
Minamiyama Plant
1-12 Haze, Issai-cho,
Tatsuno-shi, Hyogo
679-4017 Japan

Prüfzeichen *Test Mark*



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ID 1419057544

Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Addition

Factory: (see above)



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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
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Fax: +49 221 806-3935 <http://www.tuv.com/safety>

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Zertifikat
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Zertifikat Nr. *Certificate No.*
J 50406092

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0005

<i>Ihr Zeichen Client Reference</i>	<i>Unser Zeichen Our Reference</i>	<i>Ausstellungsdatum</i>	<i>Date of Issue</i>
17-306-028N	ZO--09561116 008	22.05.2018	(day/mo/yr)

Genehmigungsinhaber *License Holder*
IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC IZUMI SUZHOU CO., LTD.
No. 20 of Zhuyuan Road,
Suzhou New District,
Suzhou, Jiangsu Province 215011
P. R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Addition

Factory: (see above)



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
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Zertifizierungsstelle

Vilmos Sztaroveczki

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifikat

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Zertifikat Nr. *Certificate No.*
J 50406092

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0006

Ihr Zeichen *Client Reference*
20-306-032N

Unser Zeichen *Our Reference*
ZK--09561116 009

Ausstellungsdatum
24.09.2020

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*

IDEC CORPORATION
Minamiyama Plant
1-33 Haze, Issai-cho,
Tatsuno-shi, Hyogo
679-4017 Japan

Prüfzeichen *Test Mark*



Safety
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Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

**Zertifiziertes Produkt (*Geräteidentifikation*)
*Certified Product (Product Identification)***

Control switch, as page 0001

**Lizenzentgelte - Einheit
*License Fee - Unit***

Addition

Factory: (see above)

Change

Factory: IDEC Corporation
Minamiyama Plant
1-12 Haze, Issai-cho, Tatsuno-shi, Hyogo
679-4017 JAPAN

withdrawn



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Adrian Fuentes

Zertifikat

mit überwachter Konformität

Certificate

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Zertifikat Nr. *Certificate No.*
J 50406092

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0007

Ihr Zeichen *Client Reference*
20-306-032N

Unser Zeichen *Our Reference*
ZK--09561116 009

Ausstellungsdatum
24.09.2020

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*

IDEC IZUMI TAIWAN CORP.
HO FA MFG Factory
No. 85, Heye 3rd Road
Daliao District
Kaohsiung 831
Taiwan, R.O.C.

Prüfzeichen *Test Mark*



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Geprüft nach *Tested acc. to*

EN 60947-5-1:2004+A1:2009 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (*Geräteidentifikation*)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Addition

Factory: (see above)

Change

Factory: IDEC Izumi Taiwan Corp.
87, Swi Kuan Road, Chu Hou Village
Jen Wu District, Kaohsiung City 81465
Taiwan, R.O.C.

withdrawn



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
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Adrian Fuentes

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J 50406092

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0008

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	Date of Issue
20-306-043N	ZK-RYK-09561116 010	01.04.2021	(day/mo/yr)

Genehmigungsinhaber *License Holder*
IDEC CORPORATION
2-6-64 Nishi-Miyahara
Yodogawa-ku, Osaka
532-0004 Japan

Fertigungsstätte *Manufacturing Plant*
IDEC IZUMI SUZHOU CO., LTD.
165 Jinfeng Road,
Suzhou New District, Suzhou City,
215011 Jiangsu
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60947-5-1:2017 excluding cl. 6.3.1
IEC 60947-5-1:2016 excluding cl. 6.3.1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Control switch, as page 0001

Change

Test requirement: EN 60947-5-1:2004 + A1 excluding cl. 6.3.1
Changed to: EN 60947-5-1:2017 excluding cl. 6.3.1

factory: IDEC IZUMI SUZHOU CO., LTD.
No.20 of Zhuyuan Road,
Suzhou New District,
Suzhou, Jiangsu Province 215011,
P. R. China

withdrawn

Addition

Factory: (see above)



ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
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Fax: +49 221 806-3935 http://www.tuv.com/safety

Yoshihiro Sugita

Constructional Data Form (EN 60947-5-1)

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Type designation for push button switches (Operator + Contact block and/or Transformer/Direct adapter, Lamp)

A O L F W 1 B 23 6 S 11 D N N E R -12V - MAU -
I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX

I. Degree of protection

A : IP 65
U : IP 40

II. Operator function

B : Non-illuminated pushbutton, momentary
O : Alternate
J : Push turn lock
K : Key On / Off lock
T : Lever / wobble stick
Y : Push-pull
Z : Pull
SB : Selector pushbutton
V : Push-lock turn reset
X : Push-lock key reset
None : Illuminated, momentary

III. Non-illuminated or illuminated

None : Non-illuminated type
L : Illuminated type

IV. Bezel shape

None : Round / Octagonal
F : Full shroud
G : Mushroom shroud / Half shroud
H : Square with round operator
Q : Square with square operator

V. Series

W : TW Series, Mounting hole: 22 mm
WD : TW Series (operator sleeve construction of die-cast zinc), Mounting hole: 22 mm
S : TWS Series, Mounting hole: 25 mm

VI. Operator shape

1 : Flush / wobble stick
2 : Extended / Key operator
3 : Mushroom
4 : Jumbo mushroom / Lever operator

VII. Marking type lens

B : Marking type lens
None : Non-marking type lens

VIII. Primary voltage

1 : 100/110 V or without transformer, 12 V for LED lamp
11 : 115 V
12 : 115/120V
2 : 200/220 V or without transformer, 24 V for LED lamp
23 : 230 V
24 : 230/240 V
38 : 380 V
4 : 400/440 V

TÜV Rheinland

2021-03-31

(Date)

R. Kawasaki

(Signature)

Osaka, Japan

(Place)

March 30, 2021

(Date)

IDEC CORPORATION

R. Hido

(Stamp and Signature of Applicant)

Constructional Data Form (EN 60947-5-1)

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- 48 : 480 V
6 : Without transformer, 6 V
8 : Without transformer, 12 V for incandescent lamp
3 : Without transformer, 24 V for incandescent lamp
9 : Without transformer / without lamp
None : Non-illuminated type
- IX. Applicable lamp
6 : 6 V LED lamp / 6.3 V incandescent lamp
1 : 12 V LED lamp
2 : 24 V LED lamp
2T : 28 V LED lamp
8 : 18 V incandescent lamp
3 : 30 V incandescent lamp
9 : Without lamp
None : Non-illuminated type
- X. Applicable transformer
None : Type TW-T, TW-F, HW-L or HW-T
S : Type TWS
- XI. Contact configuration (Applicable contact block)
** : Manufacturer Control No.
- XII. Applicable lamp
None : Incandescent lamp
D : LED lamp
- XIII. Series
None : TW series
N : TWS series
- XIV. Terminal style
None : Standard
N : Finger safe(IP20)
- XV. Ring Material
None : Aluminum
E : Plastic (Round and Full shroud bezel only)
- XVI. Lens color / button color
-B/B : Black
-R/R : Red
-G/G : Green
-GD/G may be followed by D : Green for LED lamp
-GL/G may be followed by L : Green for incandescent lamp
-Y/Y : Yellow
-A/A : Amber
-W/W : White
-S/S : Blue
-PW/PW : Pure White
-C/C : Transparence
- XVII. Lamp operating voltage (apply VIII. Primary voltage 9 and IX. Applicable lamp 9)
6V : 6V AC/DC
12V : 12V AC/DC
24V : 24V AC/DC
120V : 120V AC/DC

TÜV Rheinland

2021-03-31

(Date)



(Signature)

Osaka, Japan

(Place)

March 30, 2021

(Date)

IDEC CORPORATION



(Stamp and Signature of Applicant)

Certificate No.: R 50406092
Our reference: ZK-RYK-09561116 010
Appendix No.: 1.1



Constructional Data Form (EN 60947-5-1)

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240V : 240V AC/DC
None : Without lamp

XVIII. Contact Material

None : Silver Contact
MAU : Gold plated silver contact

XIX. Manufacturer Control No. (May be followed)

TÜV Rheinland

2021-03-31

(Date)

R. Kawasaki

(Signature)

Osaka, Japan

(Place)

IDEC CORPORATION

(Stamp and Signature of Applicant)

March 30, 2021

(Date)

R. Hido

Constructional Data Form (EN 60947-5-1)

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Type designation for selector switches (Operator + Contact block and/or Transformer/Direct adapter, Lamp)

A S L H W 2 1 L 23 6 11 D N N B E - 304 - NO1 R - 12V - 110 - MAU -
I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX XX XXI XXII XXIII

I. Degree of protection

A : IP 65
U : IP 40

II. Operator function

S : Selector

III. Non-illuminated or illuminated

None : Non-illuminated type
L : Illuminated type

IV. Bezel shape

None : Round / Octagonal
H : Square with round operator
Q : Square with square operator

V. Series

W : TW Series, Mounting hole: 22 mm
WD : TW Series (operator sleeve construction of die-cast zinc), Mounting hole: 22 mm
S : TWS Series, Mounting hole: 25 mm

VI. Position code for selector switches

2 : 2 position
3 : 3 position
4 : 4 position
5 : 5 position

VII. Function code for selector switches

None : Maintained
1 : Spring return from right
2 : Spring return from left
3 : 2-way spring return

VIII. Operator shape

None : Knob handle
L : Lever handle
M : Round handle
K : Key handle

IX. Primary voltage

1 : 100/110 V or without transformer, 12 V for LED lamp
11 : 115 V
13 : 115/120 V
2 : 200/220 V or without transformer, 24 V for LED lamp
23 : 230 V
25 : 230/240 V
38 : 380 V
4 : 400/440 V
48 : 480 V
6 : Without transformer, 6 V

TÜV Rheinland

2021-03-31

(Date)

R. Kawasaki

(Signature)

Osaka, Japan

(Place)

March 30, 2021

(Date)

IDEC CORPORATION

R. Hido

(Stamp and Signature of Applicant)

Constructional Data Form (EN 60947-5-1)

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8 : Without transformer, 12 V for incandescent lamp
3 : Without transformer, 24 V for incandescent lamp
9 : Without transformer, without lamp
None : Non-illuminated type

X. Applicable lamp

6 : 6 V LED lamp / 6,3 V incandescent lamp
1 : 12 V LED lamp
2 : 24 V LED lamp
2T : 28 V LED lamp
8 : 18 V incandescent lamp
3 : 30 V incandescent lamp
9 : Without lamp
None : Non-illuminated type

XI. Contact configuration (Applicable contact block)

** : Manufacturer Control No.

XII. Applicable lamp

None : Incandescent lamp
D : LED lamp

XIII. Series

None : TW series
N : TWS series

XIV. Terminal style

None : Standard
N : Finger safe(IP20)

XV. Key removable configuration for key selector

B : Key is not removable in right position
C : Key is not removable in left position
D : Key is removable in center position (3-Position Type)
E : Key is not removable in center position (3-Position Type)
G : Key is removable in left position (3-Position Type)
H : Key is removable in right position (3-Position Type)
None : Key is removable in any maintained position

XVI. Ring Material

None : Aluminum
E : Plastic (Round bezel only)

XVII. Circuit Number

None : Standard
*** : Any suffixes

XVIII. Key Number

None : Standard
*** : Any Suffixes

XIX. Handle color

-R/R : Red
-G/G : Green
-Y/Y : Yellow
-A/A : Amber
-W/W : White
-S/S : Blue

TÜV Rheinland

2021-03-31

(Date)



(Signature)

Osaka, Japan

(Place)

March 30, 2021

(Date)

IDEC CORPORATION



(Stamp and Signature of Applicant)

Certificate No.: R 50406092
Our reference: ZK-RYK-09561116 010
Appendix No.: 1.1



Constructional Data Form (EN 60947-5-1)

Page
17/17

-PW/PW : Pure White
None : Black handle with white cap or key handle

XX Lamp operating voltage (apply IX. Primary voltage 9 and X. Applicable lamp 9)

6V : 6V AC/DC
12V : 12V AC/DC
24V : 24V AC/DC
120V : 120V AC/DC
240V : 240V AC/DC
None : Without lamp

XXI. Circuit Number

None : Standard
*** : Any suffixes

XXII. Contact Material

None : Silver Contact
MAU : Gold plated silver contact

XXIII. Manufacturer Control No. (May be followed)

TÜV Rheinland

2021-03-31

(Date)

R. Kawasaki

(Signature)

Osaka, Japan

(Place)

IDEC CORPORATION

(Stamp and Signature of Applicant)

March 30, 2021

(Date)

R. Kido