



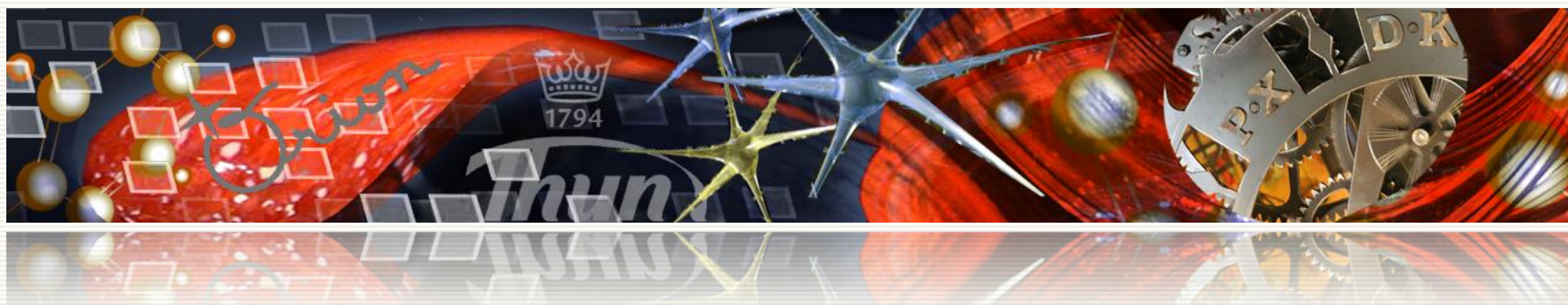
# Japonsko

## patentová databáze - PAJ

Ing. Jarmila Avratová




Brno 2019





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Display option of list page ? : ☒ Prioritized and earliest published applications ☐ Prioritized publication/registration

Display format of document display page : ☐ Text ☒ PDF

Classification Code Ranking

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CSV Output

No.	Document number ▲	Application number ▲	Filing date ▲	Publication date ▼	Title of the invention ▲	Applicant/Right holder	FI	Options
1	<a href="#">JP_2006-289347,A</a>	JP,2006-037164	Feb.14,2006	Oct.26,2006	廃水処理方法及び装置	株式会社日立プラントテクノロジー	<a href="#">C02F3/00@G</a> <a href="#">C02F3/28@B</a> <a href="#">C02F3/34,101@A</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
2	<a href="#">JP_2002-256266,A</a>	JP,2001-086592	Mar.26,2001	Sep.11,2002	産業廃棄物を主材とした土壌の改良及び水分調節剤組成物及びその製造方法 (Soil water controllable composition using industrial waste and process for	ソルテコ株式会社 Other	<a href="#">A01G1/00,303@C</a> <a href="#">A01G7/00,602@C</a> <a href="#">C09K17/02@H</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>



JP,2006-289347,A

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Highlighted search keywords: ☒ Multi-color ☐ Monochrome

waste and water

## Bibliography

Open

(19) [Publication country/region]	JP
(12) [Kind of official gazette]	A
(11) [Publication number]	2006289347
(43) [Date of publication of application]	20061026
(54) [Title of the invention]	METHOD AND APPARATUS FOR TREATING WASTE WATER
(51) [International Patent Classification]	
C02F 3/34 (2006.01)	C02F 3/00
8 (2006.01)	
[FI]	
C02F 3/34 101D	
C02F 3/00 ZABG	
C02F 3/28 B	
[Request for examination]	Unrequested
[Number of claims]	13

[Full name] ISAKA KAZUICHI  
[Full name] TOKIDA SATOSHI  
[Theme code (reference)]  
4D040  
[F-term (reference) ]  
4D040AA04  
4D040AA34  
4D040BB02  
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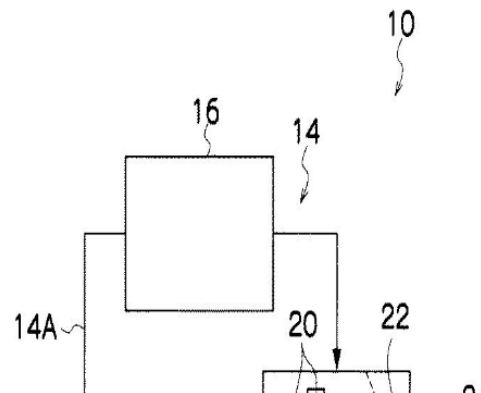
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Overview

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Detailed Description

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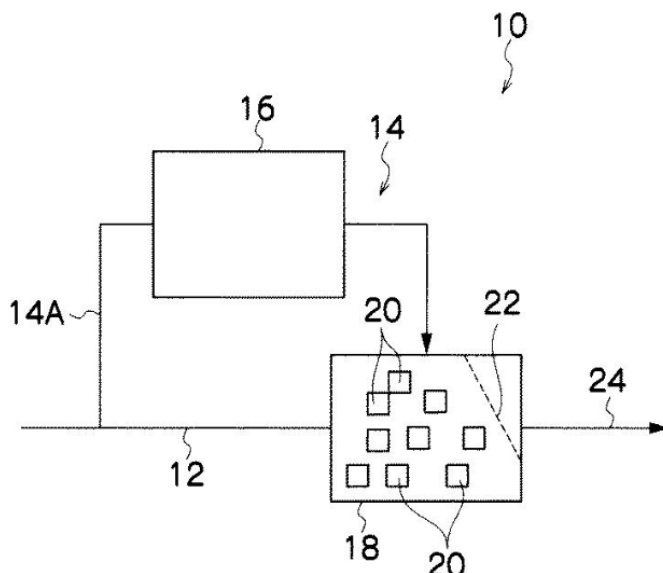
Overview

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(57) [Overview]

PROBLEM TO BE SOLVED: To provide a method and apparatus for treating waste water capable of shortening the start-up period for the apparatus and of high-speed, stable denitrification during normal operation after the start-up period which cannot be achieved by conventional anaerobic ammonia oxidizing bacteria.

SOLUTION: In the treatment of the waste water containing nitrogen, at least ammonia, in an anaerobic ammonia oxidizing bath 18 using the anaerobic ammonia oxidizing bacteria for denitrification with ammonia and nitrous acid as a substrate, the collected sludge in which the anaerobic ammonia oxidizing bacteria having a specific proliferation rate of 0.39 per day or more in seed sludge are collected and cultured is brought into contact with the waste water containing nitrogen in the anaerobic ammonia oxidizing bath 18.



Scope of Claims

Close

[Patent Claims]

[Claim 1]

The waste water treatment method treats nitrogen-containing waste water containing at least ammonia in a treating tank by using an anaerobic ammonia oxidizing bacteria for performing denitrification using nitrous acid and ammonia as substrates.

In the waste water treatment method, an accumulated sludge in which anaerobic ammonia oxidizing bacteria having a specific growth rate of 0.39 days<sup>-1</sup> or more is accumulated and cultured from seed sludge is brought into contact with the nitrogen containing waste water in the treatment tank.

[Claim 2]

The wastewater treatment method according to claim 1, wherein the integrated sludge is cultured in an integrated manner by holding the seed sludge in a culture tank and passing a culture solution containing at least the substrate at a dilution ratio of 0.39 to 24 days and a dilution ratio of 1 day<sup>-1</sup> or more.

[Claim 3]

The waste water treatment method according to claim 1 or 2, wherein said anaerobic ammonium oxidizing bacteria contain a 10<sup>5</sup> cells/mL or more in said integrated sludge.

[Claim 4]

The waste water treatment method according to any one of claims 1 to 3, wherein the aggregated sludge is held in the treatment tank in any form of an immobilized immobilization carrier, a entrapping immobilization carrier, and a self-granulation product.

[Claim 5]

The waste water treatment method according to any one of claims 1 to 4, wherein a ratio of C / ratio, which is a ratio of an amount of carbon C in the treatment tank to a total amount of nitrogen, is 0.1 or more and 3 or less, respectively.

[Claim 6]

The wastewater treatment method according to any one of claims 1 to 5, wherein the treatment is performed under anaerobic conditions in the treatment tank 1.



## Details

[Inquiry of history information](#)PatentsApplication 2006-037164 [Publication2006-289347](#)[Register50981](#) 3 Right has not been cancelled

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[Written amendment](#)[Written Opinion](#)[Notice of Reasons for Refusal](#)[Provision code of reasons for refusal](#) (24 Article 36)[Provision code of reasons for refusal](#) (44 Article 36)

Mar.18,2008

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Aug.16,2011

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Sep.13,2011

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## Registration Records

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## Decision to Grant a Patent (PatentsApplication2006-037164)

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Decision to Grant a Patent

Application number: Japanese Patent Application No. 2006-037164

Date of Drafting: Heisei 24(2012) August 24

Patent examiner: ITO, Osafumi 3545 4D00

Title of the invention:The waste water treatment method and apparatus

The number of claims: 12

Applicant: Hitachi Plant Technology

Representative: MATSUURA, Kenzo

This application is to be granted a patent, since no reason for refusal has been found.



## One Portal Dossier (OPD) Search

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JP	JP.2006037164.A	Feb.14,2006	<a href="#">JP.2006289347.A</a>	<a href="#">JP.5098183.B2</a>	<div><div>Details</div><div>Classification/Citation Information</div><div>Expand Document List</div></div>

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Selected family : JP.2006037164.A

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JP	JP.2006037164.A	Feb.14,2006	<a href="#">JP.2006289347.A</a>	<a href="#">JP.5098183.B2</a>

### Classification Information

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IPC
<a href="#">C02F3/00(2006.01)</a>
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<a href="#">C02F3/34(2006.01)</a>

Publication country/region/office	
<a href="#">C02F 3/00 G</a>	FI
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JP,2006-289347,A

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Publication number of examined application (B)

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Publication number, Publication number of Japanese translation of PCT international application, Publication number of utility model application (U)

Unexamined utility model specification number (U1)

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Granted utility model number (Y)/examined utility model specification number (Z)

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Utility model appeal or trial number

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Publication country/region/office Number type Number

Japan (JP) Patent application number 2017-183625

Japan (JP) Publication number, Publica... Ex: 2019-00012X 2019-12X H31-00012X

Japan (JP) Publication number of exam... Ex: 2019-00012X 2019-12X H31-00012X

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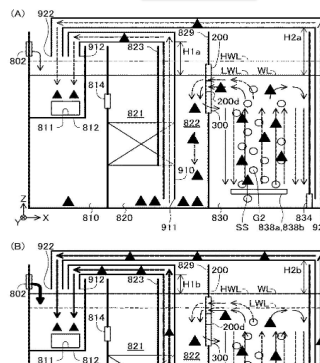
(19) [Publication country/region] JP  
(12) [Kind of official gazette] A  
(11) [Publication number] 2019058845  
(43) [Date of publication of application] 20190418  
(54) [Title of the invention] WASTEWATER TREATMENT DEVICE  
(51) [International Patent Classification]  
C02F 3/34 (2006.01)  
C02F 3/30 (2006.01)  
C02F 3/00 (2006.01)  
[FI]  
C02F 3/34 101B  
C02F 3/30 A  
C02F 3/00 F  
C02F 3/00 E  
[Request for examination] Unrequested  
[Number of claims] 2  
[Format of application] OL  
[Total number of pages] 31  
(21) [Application number] 2017183625

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**Examination Records**

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[Document Name]Abstract

[Abstract]

[Problem]To facilitate transfer of a solid material to another processing tank.

[Means for solving]A waste water treatment device includes a plurality of treatment tanks including an anaerobic treatment tank and an aerobic treatment tank on the downstream side of the anaerobic treatment tank, a partition wall partitioning the anaerobic treatment tank and the aerobic treatment tank, and an aeration device provided in the aerobic treatment tank. The anaerobic treatment tank includes a transfer pump which transfers water in the anaerobic treatment tank to another treatment tank which is different from an anaerobic treatment tank and an aerobic treatment tank among a plurality of treatment tanks, and a advection opening forming part which is provided on the downstream side of the aerobic treatment tank and forms a transfer opening which transfers water to the downstream side. The partition wall has 1 or more 1 openings and 1 or more 2 openings. The size of the advection opening is configured to temporarily increase the water level of the anaerobic treatment tank and the aerobic treatment tank by limiting the amount of water that transducts the advection opening to a small amount, when the amount of water entering the waste water treatment device per unit time increases temporarily due to the peak inflow.

[Selected drawing]Fig.8



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Classification Code Ranking

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No.	Document number ▲	Application number ▲	Filing date ▲	Publication date ▼	Title of the invention ▲	Applicant/Right holder	FI	Options
1	<a href="#">JP_2019-058845_A</a>	JP,2017-183625	Sep.25,2017	Apr.18,2019	WASTEWATER TREATMENT DEVICE	FUJI CLEAN CO LTD	<a href="#">C02F3/30@A</a> <a href="#">C02F3/00@E</a> <a href="#">C02F3/00@F</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
2	<a href="#">JP_2018-135890_A</a>	JP,2018-090767	May 09,2018	Aug.30,2018	SEPTIC TANK AIR PUMP AND AIR PUMP APPLICATION SYSTEM	FUJI CLEAN CO LTD	<a href="#">F04B49/06.341@A</a> <a href="#">C02F3/00@E</a>	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
3	<a href="#">JP_2018-066345_A</a>	JP,2016-206305	Oct.20,2016	Apr.26,2018	SEPTIC TANK AIR PUMP AND AIR PUMP APPLICATION SYSTEM	FUJI CLEAN CO LTD	<a href="#">F04B49/06.341@A</a> <a href="#">C02F3/00@E</a>	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
4	<a href="#">JP_2018-053864_A</a>	JP,2016-193282	Sep.30,2016	Apr.05,2018	GAS PUMP	FUJI CLEAN CO LTD	<a href="#">F04B45/047@A</a> <a href="#">F04B41/02@A</a> <a href="#">F04B45/04@H</a>	<a href="#">Details</a> <a href="#">OPD</a>



## C02F3/30@B

[C02F3/30@B](#)

Using of biological films

[Handbook](#)

[Concordance](#)

[4D040](#)

[C02F3/30@C](#)

Dephosphorizing processes

Concordance Display (FI -> IPC (Latest Version))

[C02F3/30@Z](#)

Others

No.	FI	IPC (latest version)
1	<a href="#">C02F3/34,101@D</a>	<a href="#">C02F3/34</a>

[C02F3/32](#)

..characterised by the animals or plants used, e.g. algae [3]

[Handbook](#)

[Concordance](#)

[4D040](#)

[C02F3/34](#)

..characterised by the micro-organisms used [3]

[Handbook](#)

[Concordance](#)

[4D040](#)

[C02F3/34@A](#)

Using of photosynthesis bacteria

[Handbook](#)

[Concordance](#)

[4D040](#)

[C02F3/34@Z](#)

Others

[Handbook](#)

[Concordance](#)

[4D040](#)

[C02F3/34,101](#)

..Utilizing nitrification or denitrification bacteria

[Handbook](#)

[Concordance](#)

[4D040](#)





## Handbook

## F-terms

65	<a href="#">C02F3/30@A</a>	0	Relating to devices	-	-	<a href="#">4D040</a>
66	<a href="#">C02F3/30@B</a>	0	Using of biological films	The cases where polluted sludge materials are biologically decomposed by cultivating biofilm (slime) on filtration materials or circular disc.	-	<a href="#">4D040</a>
67	<a href="#">C02F3/30@C</a>	0	Dephosphorizing processes	This place contains treatment where phosphorus is incorporated in polluted sludge under anaerobic condition and discharge it under aerobic condition.	-	<a href="#">4D040</a>
68	<a href="#">C02F3/30@Z</a>	0	Others	-	-	<a href="#">4D040</a>
69	<a href="#">C02F3/32</a>	1	characterised by the animals or plants used, e.g. algae [3]	Ex. Treatments by cultivation aquatic plants (reed, cattail, reed mace or the like), Purification by cultivation of chlorella, Treatment utilizing earthworm	<a href="#">A01G31</a> , <a href="#">A01G33</a> (hydroponic culture, cultivation of sea weeds)	<a href="#">4D040</a>
70	<a href="#">C02F3/34</a>	1	characterised by the micro-organisms used [3]	[Microbes themselves->C12N, C12R]	<a href="#">C02F1/00</a> (Water treatment using enzyme)	<a href="#">4D040</a>
71	<a href="#">C02F3/34@A</a>	0	Using of photosynthesis bacteria	-	-	<a href="#">4D040</a>
72	<a href="#">C02F3/34@Z</a>	0	Others	-	-	<a href="#">4D040</a>
73	<a href="#">C02F3/34,101</a>	2	Utilizing nitrification or denitrification bacteria	-	-	<a href="#">4D040</a>
74	<a href="#">C02F3/34,101@A</a>	0	Methods	-	-	<a href="#">4D040</a>
75	<a href="#">C02F3/34,101@B</a>	0	Devices	-	-	<a href="#">4D040</a>







## Vyhledávání podle klíčových slov

☒ Domestic documents (PAJ) ☐ Foreign Documents ☐ J-GLOBAL

Search keywords

Search item

Keyword

Title/name of invention or device



purifying

× Delete

AND

Title/name of invention or device



soil

× Delete

AND

Title/name of invention or device



mercury

× Delete

Title/name of invention or device



soil

× Delete

AND

Title/name of invention or device



harmless

× Delete

AND

IPC



B09C1/00

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Search keywords

Search item

Title/name of invention or device



Keyword

purifying,2N,soil



Proximity Search



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AND

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By FI : [All](#) | [B09\(20\)](#) | [B01\(7\)](#) | [A62\(6\)](#) | [C02\(6\)](#) | [C07\(3\)](#) | [A01\(1\)](#) | [B03\(1\)](#) | [B07\(1\)](#) | [C01\(1\)](#) | [C09\(1\)](#)

soil

harmless

(11)[Publication number] : 2018-008254  
(43)[Date of publication of application] : Jan.18,2018  
(21)[Application number] : 2016-140780  
(22)[Filing date] : Jul.15,2016  
(51)[International Patent Classification] : B09C 1/02 (2006.01)  
B09C 1/08 (2006.01)  
B03C 1/00 (2006.01)  
B09C 1/00 (2006.01)  
B03C 1/02 (2006.01)  
B03C 1/005 (2006.01)  
(54)[Title of the invention] : **HARMLESS** PROCESSING METHOD OF CONTAMINATED **SOIL**  
(71)[Applicant] : DOWA ECO-SYSTEM CO LTD  
METAWATER CO LTD  
(72)[Inventor] : NOZAKI JUMPEI  
TOMOGUCHI MASARU  
KAMATA MASAMI  
OTA TAKUMA  
ENDO MASATO  
INOUE MASUO  
SONODA KENICHI

No.	Document number ▲	Application number ▲	Filing date ▲	Publication date ▼	Title of the invention ▲	Ap		
1	<a href="#">JP,2018-008254,A</a>	JP,2016-140780	Jul.15,2016	Jan.18,2018	HARMLESS PROCESSING METHOD OF CONTAMINATED SOIL	METAWATER CO LTD Other	<a href="#">B09B5/00@S</a> <a href="#">B09B3/00,304@K</a> <a href="#">B03C1/00@B</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
2	<a href="#">JP,2009-279498,A</a>	JP,2008-132680	May 21,2008	Dec.03,2009	METHOD AND SYSTEM OF RENDERING POLLUTED SOIL HARMLESS	NIPPON TMI CO LTD	<a href="#">B01J3/00@A</a> <a href="#">B09B3/00,304@K</a> <a href="#">A62D3/20</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
3	<a href="#">JP,2009-066495,A</a>	JP,2007-236018	Sep.11,2007	Apr.02,2009	SYSTEM FOR MAKING CONTAMINATED SOIL HARMLESS	TAKENAKA KOMUTEN CO LTD Other	<a href="#">B09C1/06</a> <a href="#">B09B3/00,303@P</a> <a href="#">B09B3/00</a>	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a> <a href="#">Jump To Top</a>



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Keyword

'SOIL PURIFICATION SYSTEM'

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AND

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B09C1/00

(11)[Publication number] : 2019-030822  
(43)[Date of publication of application] : Feb.28,2019  
(21)[Application number] : 2017-151587  
(22)[Filing date] : Aug.04,2017  
(51)[International Patent Classification] : B09C 1/10 (2006.01)  
C12N 1/00 (2006.01)  
(54)[Title of the invention] : SUBSURFACE SOIL PURIFICATION  
SYSTEM  
(71)[Applicant] : TAKENAKA KOMUTEN CO LTD  
(72)[Inventor] : FUNAKAWA MASAFUMI  
MUKAI KAZUHIRO

No.	Document number ▲	Application number ▲	Filing date ▲	Publication date ▼	Title of the invention ▲	Applicant/Right holder	FI	Options
1	<a href="#">JP,2019-030822,A</a>	JP,2017-151587	Aug.04,2017	Feb.28,2019	SUBSURFACE SOIL PURIFICATION SYSTEM	TAKENAKA KOMUTEN CO LTD	<a href="#">C12N1/00@R</a> <a href="#">B09B3/00@E</a>	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
2	<a href="#">JP,2019-030821,A</a>	JP,2017-151586	Aug.04,2017	Feb.28,2019	SUBSURFACE SOIL PURIFICATION SYSTEM	TAKENAKA KOMUTEN CO LTD	<a href="#">B09B3/00,303@P</a> <a href="#">B09B3/00@E</a>	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>
3	<a href="#">JP,2019-013879,A</a>	JP,2017-132593	Jul.06,2017	Jan.31,2019	<u>SOIL PURIFICATION SYSTEM</u> AND SOIL PURIFICATION METHOD	BESUTERA KK Other	<a href="#">A01G7/00.605@Z</a> <a href="#">B09B3/00@E</a> <a href="#">A01G25/02</a> Other	<a href="#">Details</a> <a href="#">OPD</a> <a href="#">URL</a>



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☐ UK (GB) ☐ Germany (DE) ☐ France (FR) ☐ Switzerland (CH) ☐ Canada (CA)

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SOIL

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AND

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B09C1/00

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AND

Title/name of invention or device

purification

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Keyword

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mercury



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1	<a href="#">WO-A-2016/110189</a>	Jul.14,2016	Dec.23,2015	B09C1/00	<a href="#">OPD</a> <a href="#">URL</a>
2	<a href="#">WO-A-2016/093436</a>	Jun.16,2016	Apr.02,2015	B09C1/00 C10J3/20	<a href="#">OPD</a> <a href="#">URL</a>
3	<a href="#">WO-A-2015/119318</a>	Aug.13,2015	Feb.12,2014	B09C1/06 B09C1/00 B09C1/08	<a href="#">OPD</a> <a href="#">URL</a>
4	<a href="#">US-A-150093199</a>	Apr.02,2015	Mar.19,2014	B09C1/10	<a href="#">OPD</a> <a href="#">URL</a>
5	<a href="#">WO-A-2014/084507</a>	Jun.05,2014	Oct.23,2013	B09C1/02 B09C1/00 B09C1/06	<a href="#">OPD</a> <a href="#">URL</a>
6	<a href="#">EP-A-002666564</a>	Nov.27,2013	Jan.17,2012	B22F1/00 A62D3/34 A62D3/37	<a href="#">OPD</a> <a href="#">URL</a>

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- For information related to classification, refer to [Patent Map Guidance \(Former\) Information](#), [IPC Classification Table and Update Information](#), [CPC Information](#), [WIPO-IPC](#), and [Additional code list](#).

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F23G5/00

Spalování odpadků



## Anglická verze pod FI/Facet



# Handbook – převod FI na kódy F terms

## FI Handbook Display

No.	FI/Facet	Dot	Descriptions	Supplementary explanation	Related fields	Theme code
1	<a href="#">F23G5/00</a>	0	Methods or apparatus, e.g. incinerators, specially adapted for combustion of waste or low grade fuels [4]	[Theme Code] 3K062,2018/09/12 [Summary of the Art] ,2018/09/12 Theme Name INCINERATION OF WASTE (2) combustion control of furnaces	[Association with other examination division and other classification],2018/09/12 Combustion control in general is assigned in F23N, <del>F23N5/00@E</del> as usage. See F23N 5/08 regarding CA08 (using image sensors as a detection device).	<a href="#">3K062</a>
2	<a href="#">F23G5/00@A</a>	0	Incineration techniques	-	-	<a href="#">3K062</a>
3	<a href="#">F23G5/00@B</a>	1	Prevention of air pollution	-	-	<a href="#">3K062</a>
4	<a href="#">F23G5/00@C</a>	2	Denitrification in the furnace	-	-	<a href="#">3K062</a>
5	<a href="#">F23G5/00@D</a>	2	Desulfurisation in the furnace	-	-	<a href="#">3K062</a>
6	<a href="#">F23G5/00@E</a>	2	Supply of water or steam	-	-	<a href="#">3K062</a>
7	<a href="#">F23G5/00@F</a>	1	Start or stop	-	-	<a href="#">3K062</a>
8	<a href="#">F23G5/00@Z</a>	0	Others	-	-	<a href="#">3K062</a>
9	<a href="#">F23G5/00,107</a>	1	characterised by hearths (supports for incinerated objects)	-	-	<a href="#">3K062</a>



F-term

3K062

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3K062

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Theme code	3K062	<a href="#">Explanation</a>
Descriptions	INCINERATION OF WASTE (2) ( Category : - )	
Scope of FI	<a href="#">F23G5/00</a> -5/00,107;5/00,119-5/00,119@Z;5/40-5/42;5/50-5/50@Z	

☐ AA00 TYPE OF FURNACE

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☐ AB00 TYPE OF INCINERATION TREATMENT

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☐ AC00 KIND OF INCINERATION SUBSTANCE

Open +

☐ BA00 CONTROL METHOD

Open +

☐ BB00 SCOPE OF CLAIMS

Open +

☐ CA00 KINDS OF SENSOR OR DETECTOR

Open +



## Císařská období

Japanese imperial years vs. W

**SHOWA** (SHO, S)

昭和

reign of Emperor Hirohito

1926 to 1989

**HEISEI** (HEI, H)

平成

reign of Emperor Akihito

1989 to date

**REIWA** (REI, R)

令和

reign of Emperor Naruhito

1 May 2019 to date

**SHOWA + 25 = Western year**

**HEISEI + 1988 = Western year**

**REIWA + 2018 = Western year**

### NOTE:

- 1) The last year SHOWA is the first year HEISEI (SHOWA 64 = HEISEI 01 = 1989).
- 2) The western year 2019 is until 30 April HEISEI 31, and starting from 1 May REIWA 1



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- unexamined utility model publication (U)

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- examined patent publication (old law) (B)
- examined utility model publication (old law) (Y)

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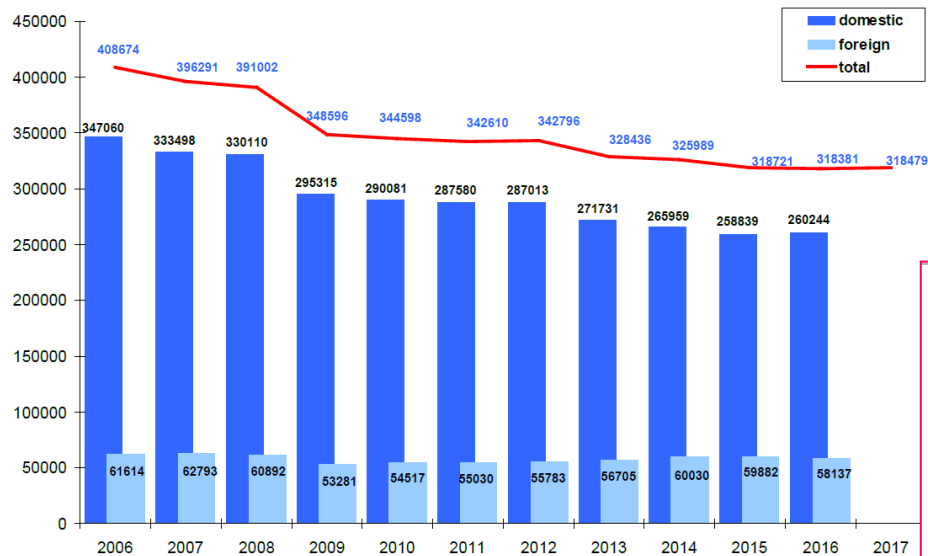
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- granted utility model publication (new law) (U)

公表

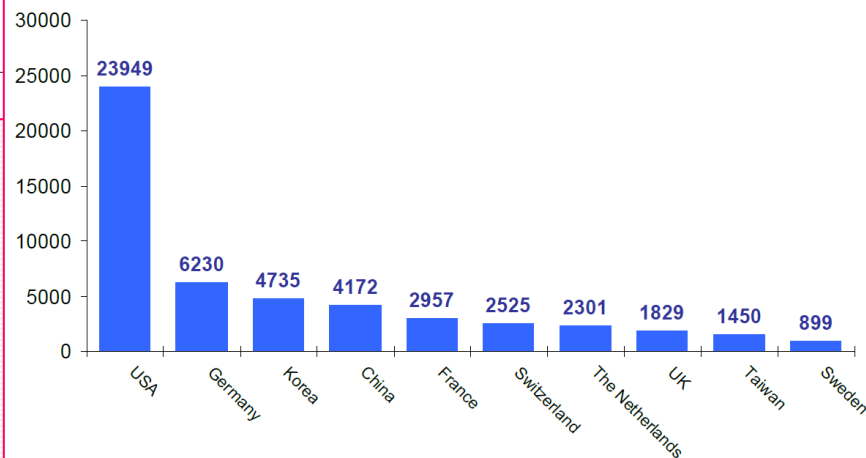
KOHO (A, T) - [enlarge](#)



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## Top foreign applicants in 2017 (by country)





# Aktualizace Data



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Notices	Jun.26,2019	<a href="#">FAQ after improvement of J-PlatPat function(Last up date June 26)</a>
Notices	Jun.21,2019	<a href="#">Notice of correction of help about OPD</a>
Notices	May 07,2019	<a href="#">Notice of Improvement of J-PlatPat (Japan Platform for Patent Information ) Function</a>
JPO	Nov.22,2018	<a href="#">About publication of registered int'l trademark on defensive mark based on int'l registration</a>
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System	<a href="#">Overseas intellectual property utilization course</a>



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## Document Coverage Information/Patent

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National literature		2019/11/05	Close -
Document Types	Coverage Range		
A:Publication of unexamined patent application	1971-000001	~	2019-193576
A:Publication text of unexamined patent application (paper)	1971-000001	~	1992-373400
A:Publication of PCT application(patent)	1979-500001	~	2019-531693
A:Publication text of PCT application(patent) (paper)	1979-500001	~	1995-509837
B:Publication of examined patent application	1922-000001	~	1996-034772
B:Publication text of examined patent application (paper)	1970-000044	~	1993-088920
B:Publication of granted patent application	2500001	~	6600767
C:Patent specification	0000001	~	0216017
H:Corrected patent specification	0000072	~	0000814
U:Publication of unexamined utility model application	1971-000001	~	2006-000001
U:Publication text of unexamined utility model application (paper)	1971-000001	~	1992-138600
U:Publication of PCT application(utility model)	1979-500001	~	1998-500001
U:Publication text of PCT application(utility model) (paper)	1979-500001	~	1995-500003
U:Publication of registered utility model application	3000001	~	3223815
U1:Unexamined utility model specification	1971-000001	~	1992-138600
Y:Publication of examined utility model	1922-000001	~	1996-011090
Y:Publication of granted utility model	2500001	~	2607899



## **Informace v angličtině**

- **Všechna průmyslová práva od r. 1885**
- **Abstrakta patentových přihlášek od r. 1976**
- **Celé japonské dokumenty (stránka po stránce)**
- **Strojový překlad plných textů od r. 1993**

**Právní stavy od r. 1990**

**Děkuji Vám za pozornost.**



Úřad průmyslového vlastnictví

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