

Key information

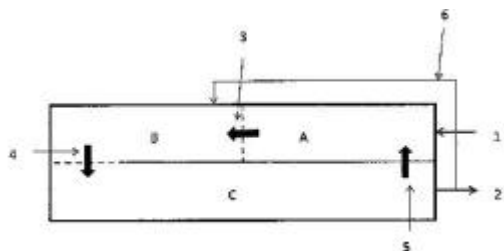
<i>Database last updated</i>	2021.06.12 13:57:00
Description / title	Metode for biologisk vannrensing av avløpsvann i en kontinuerlig prosess, samt reaktor for kontinuerlig biologisk vannrensing av avløpsvann.
Status	In force
Legal status	2015.11.23 Granted
Detailed status	2015.11.17 Granted (B1) (check also details in the case)
Patent number	336908
Application number	20140660
Filed	2014.05.28
Priority	None
Case type	National
Effective date	2014.05.28
Expiry date	2034.05.28
Publicly available	2015.11.23
Granted	2015.11.23
Applicant	Hias IKS (NO)
Owner	Hias Miljøpartner AS (NO)
Inventor	Gjermund Sørensen (NO)
Agent	ONSAGERS AS (NO)
Patent family	Look up in Espacenet

Abstract and drawing

 Patent Translation picture

Oppfinnelsen vedrører en fremgangsmåte for rensingen av fosfor, nitrogen og organisk materiale fra avløpsvann i en kontinuerlig biofilmprosess med sirkulerende bærermedium, og en reaktor for anvendelse i utførelse av fremgangsmåten.

[View the abstract and front page figure in Espacenet](#)



Classes

IPC class

C02F 3/08

C02F 3/30

C02F 3/00

CPC class

C02F 3/301

C02F 2003/003

C02F 3/085

C02F 3/308

Applicant(s)

Hias IKS

Postboks 4065

2306 HAMAR

NO (*HAMAR Municipality, HEDMARK county*)

Owner

Hias Miljøpartner AS
Postboks 4065
2306 HAMAR
NO (*HAMAR Municipality, HEDMARK county*)

[History](#)

Inventor

Gjermund Sørensen
Kolstadjordet 2
2335 STANGE
NO (*STANGE Municipality, HEDMARK county*)

Sondre Eikås
Høyensalgata 53
2317 HAMAR
NO (*HAMAR Municipality, HEDMARK county*)

Torgeir Saltnes
Dokkenmoen 20
2080 EIDSVOLL
NO (*EIDSVOLL Municipality, AKERSHUS county*)

Agent

Agent in Norway:

ONSAGERS AS
Postboks 1813, Vika
0123 OSLO
NO (*OSLO Municipality, OSLO county*)

Org. number: 934603729

Your reference: P23673NO00

Citations (cited documents)

CN 201999792 U (U)

US 20080053897 A (A)

JP 07163995 A (A)

Case history

Status history

Legal status	Decision date, detailed status
2015.11.23 Granted	2015.11.17 Granted (B1)
2014.05.28 Pending	2015.10.30 Accepted for grant
2014.05.28 Pending	2015.07.02 Second and later letter exists
2014.05.28 Pending	2015.03.25 Second and later letter exists
2014.05.28 Pending	2014.12.08 First letter of examination exists
2014.05.28 Pending	2014.05.30 Formal checks performed
2014.05.28 Pending	2014.05.30 New application created

Correspondence

Date	Correspondence type	Journal description
2016.03.02	Outgoing	PT Batch Varsel om betaling av første årsavgift (3317)
2015.11.25	Outgoing	PT Registreringsbrev Nasjonal Patent (15)
2015.10.30	Outgoing	PT Meddelelse om patent
2015.08.19	Incoming, AR114343629	Korrespondanse (Hovedbrev inn)
2015.08.10	Incoming, AR113777463	Korrespondanse (Hovedbrev inn)
2015.07.02	Outgoing	Realitet patent
2015.06.23	Outgoing	Bekreftelse på patentsøknad
2015.06.19	Outgoing	Bekreftelse på patentsøknad
2015.06.18	Incoming	Korrespondanse (Hovedbrev inn)
2015.06.17	Incoming, AR109912368	Korrespondanse (Hovedbrev inn)
2015.05.15	Incoming, AR103865895	Korrespondanse (Hovedbrev inn)
2015.03.25	Incoming	Korrespondanse (Hovedbrev inn)
2015.03.25	Outgoing	Realitet patent

2015.02.11	Incoming, AR90691138	Korrespondanse (Hovedbrev inn)
2014.12.08	Outgoing	Anmodning om Norsk oversettelse
2014.12.08	Outgoing	Realitet patent
2014.09.18	Incoming, AR78163345	Korrespondanse (hoved dok)
2014.06.30	Incoming, AR74447961	Korrespondanse (hoved dok)
2014.05.30	Outgoing	Formalia 1
2014.05.30	Outgoing	Infobrev til oppfinner
2014.05.28	Incoming, AR70378969	National Patent Application Form

Information about documents which are not available

Payment

Payment due:

Next renewal/annual fee: 2022.05.31

Payment history:

Description / Invoice number	Payment date	Amount	Payer	Status
Annual fee 8th year	2021.05.21	2550	CPA GLOBAL (PATRAFEE) AB	Paid and approved
Annual fee 7th year	2020.05.19	2200	CPA Global (Patrafee) AB	Paid and approved
Annual fee 6th year	2019.03.04	2000	ONSAGERS AS	Paid and approved
Annual fee 5th year	2018.03.08	1650	ONSAGERS AS	Paid and approved
Annual fee 4th year	2017.04.27	1350	ONSAGERS AS	Paid and approved
Annual fee 1st-3rd year	2016.03.07	2100	Onsagers AS	Paid and approved
31515715	2015.11.05	1200	Onsagers AS	Paid
31407511	2014.06.16	4650	Onsagers AS	Paid

This economic overview may lack information, particularly for older cases, for reimbursements, international trademarks and international designs.

Publication(s)

Links to publications and the Norwegian Patent Gazette (searchable text documents)

Last published version of the patent

Link to patent application / extract (when open for public inspection)

Link to the Norwegian Patents Gazette - when granted

Links to publications (only image files)

B1

A1

What does A1, B, B1, C stand for?

Chapters without data are removed.

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