

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI400136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
Ipsen, Inc.	07/31/2024
RECEIVING PARTY DATA	
Company Name:	TCW Asset Management Company LLC
Street Address:	1251 Avenue of the Americas
Internal Address:	Suite 4700
City:	New York
State/Country:	NEW YORK
Postal Code:	10020
PROPERTY NUMBERS Total: 17	
Property Type	Number
Patent Number:	8246901
Patent Number:	8280531
Patent Number:	8333852
Patent Number:	8747731
Patent Number:	8465603
Patent Number:	7105126
Patent Number:	9719149
Patent Number:	8662888
Patent Number:	9458519
Patent Number:	9617611
Patent Number:	8992213
Patent Number:	9441886
Patent Number:	9891000
Patent Number:	9188392
Patent Number:	9816154
Patent Number:	9890999
Patent Number:	10934599
CORRESPONDENCE DATA	

**Fax Number:**

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 7146686200  
**Email:** johnkline@paulhastings.com  
**Correspondent Name:** John Kline  
**Address Line 1:** 695 Town Center Drive  
**Address Line 2:** Seventeenth Floor  
**Address Line 4:** Costa Mesa, CALIFORNIA 92626

<b>NAME OF SUBMITTER:</b>	Mitchell Garrett
---------------------------	------------------

<b>SIGNATURE:</b>	Mitchell Garrett
-------------------	------------------

<b>DATE SIGNED:</b>	07/31/2024
---------------------	------------

**Total Attachments: 6**

source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page1.tiff  
source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page2.tiff  
source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page3.tiff  
source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page4.tiff  
source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page5.tiff  
source=TCW\_Ipsen - U.S. Patent Security Agreement (Ipsen Inc.) [Executed](178841734.1)#page6.tiff

PATENT SECURITY AGREEMENT

This Patent Security Agreement (this “Patent Security Agreement”) is made as of July 31, 2024, by Ipsen, Inc., a Delaware corporation (“Grantor”), in favor of TCW Asset Management Company LLC, a Delaware limited liability company, in its capacity as collateral agent for itself and the other Secured Parties (together with its successors and assigns in such capacity, “Grantee”).

WHEREAS, the Grantor holds all right, title and interest in the letter patents, design patents and utility patents listed on the attached Schedule A, which patents are issued or applied for in the United States Patent and Trademark Office (the “Patents”);

WHEREAS, the Grantor has entered into that certain U.S. Security Agreement, dated July 31, 2024 (as amended, restated, supplemented, modified or otherwise changed from time to time, the “U.S. Security Agreement”), in favor of Grantee; and

WHEREAS, pursuant to the U.S. Security Agreement, the Grantor has granted to the Grantee for the benefit of the Secured Parties (as defined in the U.S. Security Agreement), a continuing security interest in all right, title and interest of the Grantor in, to and under the Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the “Collateral”), to secure the payment, performance and observance of the Secured Obligations (as defined in the U.S. Security Agreement).

NOW, THEREFORE, as collateral security for the payment, performance and observance of all of the Secured Obligations, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor does hereby grant to the Grantee and grant to the Grantee for the benefit of the Secured Parties, a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

All capitalized terms used but not otherwise defined herein have the meanings given to them in the U.S. Security Agreement.

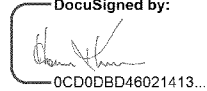
The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the U.S. Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

This Patent Security Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart by facsimile or electronic mail shall be equally effective as delivery of an original executed counterpart.

*[Remainder of page intentionally left blank]*

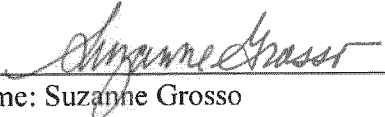
IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the date first set forth above.

IPSEN, INC.

By:   
Name: Houman Khorram  
Title: Authorized Signatory

ACCEPTED AND AGREED  
as of the date first above written:

TCW ASSET MANAGEMENT COMPANY LLC,  
as Grantee

By:   
Name: Suzanne Grosso  
Title: Managing Director

[Signature Page to U.S. Patent Security Agreement (Ipsen, Inc.)]

SCHEDULE A TO GRANT OF A SECURITY INTEREST

Patents and Patent Applications

<b>Company</b>	<b>Country</b>	<b>Title</b>	<b>Application or Patent No.</b>	<b>Filing Date / Issue Date</b>
Ipsen, Inc.	United States	Retort Furnace with Decoupled Charge Support for Heat Treating Metal Workpieces	8,246,901	21-Aug-12
Ipsen, Inc.	United States	Method and Computer for Controlling Thermal Treatment of Metallic Workpieces	8,280,531	02 Oct 2012
Ipsen, Inc.	United States	Method and Computer for Controlling Thermal Treatment of Metallic Workpieces	8,333,852	18 Dec 2012
Ipsen, Inc.	United States	Method and Computer for Controlling Thermal Treatment of Metallic Workpieces	8,747,731	10-Jun-14
Ipsen, Inc.	United States	Method and Device for Regulating Process Gases for the Heat Treatment of	8,465,603	18-Jun-13

		Metallic Workpieces in Industrial Furnaces		
Ipsen, Inc.	United States	Flapper Gas Nozzle Assembly	7,105,126	12-Sep-06
Ipsen, Inc.	United States	Load Transport Mechanism for a Multi-Station Heat Treating System	9,719,149	1-Aug-17
Ipsen, Inc.	United States	Loading System for a Heat Treating Furnace	8,662,888	04-Mar-2014
Ipsen, Inc.	United States	Multimedia Quench System and Process	9,458,519	4-Oct-16
Ipsen, Inc.	United States	Quenching Process and Apparatus for Practicing Said Process	9,617,611	17-Apr-17
Ipsen, Inc.	United States	Sealing Mechanism for a Vacuum Heat Treating Furnace	8,992,213	31-Mar-15
Ipsen, Inc.	United States	Work Load Lifting System for a Vertical Vacuum Furnace	9,441,886	13-Sep-16
Ipsen, Inc.	United States	Center Heating Element for a Vacuum Heat Treating Furnace	9,891,000	13-Feb-18
Ipsen, Inc.	United States	Method and industrial furnace for using	9,188,392	02-APR-2012

		a residual protective gas as a heating gas		
Ipsen, Inc.	United States	Process Gas Preparation Apparatus for an Industrial Furnace System and an Industrial Furnace System for Gas Carburizing and Hardening of Metal Workpieces Utilizing Same	9,816,154	22-SEPT-2016
Ipsen, Inc.	United States	Industrial Heat Treating Furnace That Uses a Protective Gas	9,890,999	17-APR-2014
Ipsen, Inc.	United States	Device for Treating Metal Workpieces With Cooling Gas	10,934,599	02-JUL-2020