

United  
States  
of  
America



*To Promote the Progress*



*of Science and Useful Arts*

*The Director*

*of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this United States*

*Patent*

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

*Katherine Kelly Vidal*

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



US012139292B2

(12) **United States Patent**  
**Lee et al.**

(10) **Patent No.: US 12,139,292 B2**  
(45) **Date of Patent: Nov. 12, 2024**

(54) **CLAMPING DEVICE AND CLAMPING METHOD**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **ARISE BIOTECH CORPORATION**,  
New Taipei (TW)

CN	1196449	C	4/2005
CN	108217555	A	6/2018
CN	115503992	A	* 12/2022
CN	115594131	A	1/2023
EP	0266061	A3	7/1988
KR	102443780	B1	* 9/2022
TW	M530815	U	10/2016

(72) Inventors: **Te-Hua Lee**, New Taipei (TW);  
**Chung-Che Lo**, New Taipei (TW);  
**Chih-Wei Lai**, New Taipei (TW)

(73) Assignee: **ARISE BIOTECH CORPORATION**,  
New Taipei (TW)

OTHER PUBLICATIONS

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

Taiwan Patent Office "Notice of Allowance" issued on Nov. 3, 2023, Taiwan.  
Taiwan Patent Office "Office Action" issued on Sep. 26, 2023, Taiwan.

(21) Appl. No.: **18/243,323**

\* cited by examiner

(22) Filed: **Sep. 7, 2023**

(65) **Prior Publication Data**  
US 2024/0278947 A1 Aug. 22, 2024

Primary Examiner — Tanzim Imam

(30) **Foreign Application Priority Data**  
Feb. 18, 2023 (TW) ..... 112105958

(74) Attorney, Agent, or Firm — WPAT, P.C

(51) **Int. Cl.**  
**B65B 7/28** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **B65B 7/2842** (2013.01)

(58) **Field of Classification Search**  
None  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,319,845	A	*	10/1919	Buzatt	.....	B67B 3/2066
						53/355
4,696,144	A	*	9/1987	Bankuty	.....	B67B 3/206
						53/317
5,417,031	A	*	5/1995	Bankuty	.....	B67B 3/2033
						53/331.5



# 中華民國專利證書

發明第 I 826267 號

發明名稱：夾持裝置以及夾持方法

專利權人：廣普生物科技股份有限公司

發明人：李德華、羅崇哲、賴智偉

專利權期間：自 2023 年 12 月 11 日至 2043 年 2 月 17 日止

上開發明業經專利權人依專利法之規定取得專利權

經濟部智慧財產局 局長

廖承威

中華民國 112 年 12 月 11 日

