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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

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Katherine Kelly Vidal

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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Lee et al.

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(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.

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* cited by examiner

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

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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

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12

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11

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专利公告信息

发明专利证书

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专利权人：广普生物科技股份有限公司

地址：中国台湾新北市新店区中正路四维巷2弄5号3楼

发明人：李德华;罗崇哲;赖智伟

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申请日时发明人：李德华;罗崇哲;赖智伟

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