

## Patent Application\_Joint Ownership of Patent Rights

This agreement (“Agreement”) outlines how National Chung Hsing University (“Party A”) handles the personal data collected from the attached form.

By checking the box indicating their consent, the applicant (“Party B”) acknowledges that they have read, understood, and accepted the terms set forth herein and any future amendments made thereto. If Party B is under the age of 20, Party B shall ask their legal representative to sign this Agreement to show that they have read, understood, and accepted the terms set forth herein and any future amendments made thereto before Party B may begin using this service. However, if Party B has already signed this Agreement, Party A shall deem Party B’s legal representative to have provided their consent and agreement to be bound by the following terms:

### I. Collection, revision, and maintenance of personal data

1. Party A shall collect, process, and use Party B’s personal data in accordance with Party A’s *Privacy Policy* and the *Personal Data Protection Act* of the Republic of China.
2. Party B shall provide accurate, complete, and up-to-date personal data during the application process.
3. Party A needs to collect Party B’s name, nationality, identification number, contact number, address, and email in order to process Party B’s application.
4. Party B shall contact Party A to update their personal data in the event of any changes to ensure that the data on file is accurate, complete, and up to date.
5. Party B acknowledges that the provision of erroneous, false, outdated, incomplete, or misleading information may lead to the forfeiture of certain rights and interests.
6. Pursuant to the *Personal Data Protection Act* of the Republic of China, Party B may exercise the following rights regarding the personal data they have on file with Party A: (1) making a request to review their personal data; (2) requesting a copy of their personal data; (3) supplementing or making corrections to their personal data; (4) requesting the cessation of the collection, processing, and use of their personal data; (5) requesting the erasure of their personal data (Party A may decline data erasure requests if it must use the data for official purposes).

To exercise the aforementioned rights, Party B shall submit a request to the contact person indicated in Party A’s *Privacy Policy*. Party B acknowledges that Party A disclaims any and all liability for damage resulting from Party B’s exercise of the aforementioned rights.

### II. Purpose of personal data collection

1. Party A requires Party B’s personal data in order to process Party B’s **patent application**.
2. Party A must obtain Party B’s consent in writing before Party A may use Party B’s personal data for a purpose not indicated above. Party B may object to such requests but may lose certain rights and interests as a result of their objection.
3. Party A may use Party B’s personal data for a period of up to 30 years in Taiwan, beginning from the date of signing (the actual data usage period may be adjusted for each form based on actual conditions).

### III. Confidentiality

Party B’s personal data will be protected in accordance with Party A’s *Privacy Policy*. In the event that Party B’s personal data is stolen, leaked, tampered with, or otherwise infringed upon due to Party A’s violation of the *Personal Data Protection Act* or due to a natural disaster, accident, or other force majeure event, Party A shall conduct an investigation and notify Party B of the results through telephone, mail, email, website announcement, or other appropriate means.

### IV. Validity

1. Party B acknowledges that their signature signifies that they have read, understood, and agreed to the terms and conditions stipulated herein, and that Party A may terminate all services and rights provided to Party B at any time if the latter violates any of the terms and conditions stipulated herein.
2. Party A reserves the right to modify the contents of this Agreement at any time via an announcement on its website (webpage) without notice to Party B, who shall stop using the services provided by Party A if they do not accept the modified terms. Party B’s continued use of such services shall constitute their agreement to the modified terms.
3. Any advice or information provided to Party B regarding this Agreement, whether verbally or in writing, does not constitute the terms of this Agreement unless expressly stipulated herein.

### V. Jurisdiction

## CONFIDENTIAL DOCUMENT

The interpretation and applicability of this Agreement and any disputes arising therefrom shall be subject to the law of the Republic of China. Both parties agree to designate the Taiwan Taichung District Court as the court of first instance.

**By checking the box to the left, Party B certifies that they have read and accepted the terms above.**

**Party B's signature:** \_\_\_\_\_ **(Please sign personally.)**

**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_ (MM/DD/YYYY)

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\* NCHU\_IPForm1-1 NCHU Faculty and Research Fellow R&D Outcomes Patent Application (effective Aug. 01, 2014)

**NCHU Faculty and Research Fellow R&D Outcomes:**  
 **Invention** /  **Utility Model** /  **Design Patent Application**

Date of application: \_\_\_\_/\_\_\_\_/\_\_\_\_ (MM/DD/YYYY)

1. Patent	Chinese			
	English			
2. R&D Representative	Name		Contact info	Phone: Email:
	Unit		Job title	
3. Contact person	Name:	Phone:		Email:
4. Attribution of the R&D outcomes	<input type="checkbox"/> NCHU <input type="checkbox"/> Shared (Please fill in the organization with which the rights will be shared and the percentages assigned to NCHU and the organization.) NCHU [_____%], shared with _____ (organization name) [_____%] <b>Note: Please attach the contract to this application.</b>			
5. Source of R&D outcomes (The principal investigator must be the representative if applicable)	<input type="checkbox"/> NSTC <input type="checkbox"/> MOA <input type="checkbox"/> MoEA <input type="checkbox"/> Other: _____ <input type="checkbox"/> Academia-industry collaboration <input type="checkbox"/> R&D outcomes developed by faculty members in the course of their work (skip the following fields)			
	Project number:		NCHU control number:	
Project name:				
6. Jurisdiction (and reason if application is submitted in a foreign country)	<input type="checkbox"/> Republic of China <input type="checkbox"/> Foreign country/countries: _____ (Please list countries in order of priority) Reason(s) for application: _____			
	<b>Notes:</b> 1. For applications paid for by the applicant or a third party, the cost-sharing structure for domestic and foreign applications shall be the same. 2. If the applicant wishes to file a patent in mainland China, the application must be filed on the same day on which the patent is first filed in another country. Failure to do so will result in the forfeiture of "domestic priority" in mainland China.			
7. Records of public release	Have the target R&D outcomes been publicly released? <input type="checkbox"/> Yes <input type="checkbox"/> No, but they will be in the future. <input type="checkbox"/> No, there is no plan to release the R&D outcomes (skip the following field).			
	Purpose, method, and date of initial (or planned) release: <input type="checkbox"/> Degree thesis/dissertation: Oral defense date ____; submission date ____ <input type="checkbox"/> Domestic/international journal: Submission date____; (expected) publication date____ <input type="checkbox"/> Public presentation: Date _____ Format: _____ (e.g., poster, presentation, report) <input type="checkbox"/> Final project report: _____ <input type="checkbox"/> Other: _____ <b>Note: Please include the published journal article, thesis, or dissertation (Chinese translation required for those written in a foreign language).</b>			

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8. Application documents	<input type="checkbox"/> Invention patent application [Form 1] <input type="checkbox"/> Invention patent revenue distribution agreement [Form 2] <input type="checkbox"/> Invention patent information sheet [Form 3] <input type="checkbox"/> Approved budget list (for government-commissioned projects) or project contract (for academia-industry collaboration projects) <input type="checkbox"/> Please email the above documents to <a href="mailto:tlo@nchu.edu.tw">tlo@nchu.edu.tw</a> . <input type="checkbox"/> Supplementary documents: _____
9. Agency	<input type="checkbox"/> Agency selected by the Academia-Industry Collaboration Center <span style="color: red;"><b>Note: Applications partially paid for by the University must be handled by an agency selected by the Academia-Industry Collaboration Center.</b></span> <input type="checkbox"/> Agency recommended by the inventor: _____ Contact person: _____ (Tel: _____) <input type="checkbox"/> Other method (such as direct submission by the inventor): _____

◆ Certification by the R&D representative:

1. I hereby certify that the R&D outcomes associated with this patent application (including the information provided in Forms 1/2/3) was fully and completely developed by me personally or by my team under the auspices of National Chung Hsing University as part of my research duties, and I agree to bear all legal liability for any infringement of others' rights arising from any misrepresentation herein.
2. I certify that all R&D personnel have agreed to the following stipulations:
  - (1) The patent will be registered under the name of National Chung Hsing University.
  - (2) In principle, approved patents will be maintained by the University for a period of at least five years.
3. I agree to bear all costs of a rejected application if the R&D outcomes do not satisfy the novelty requirement due to any misrepresentation under Item 7 ("Records of public release") herein that can be attributed to the R&D personnel or related project personnel.
4. I hereby declare that all of the information provided above is true and correct to the best of my knowledge and that I agree to be bound by the above terms and conditions.

Signature of representative: \_\_\_\_\_

Date of signing: \_\_\_\_\_

	Unit/Personnel	Percentage (✓)	Signature of approval	
Cost-sharing structure	R&D personnel	<input type="checkbox"/> 100% <input type="checkbox"/> 40%		
	Department/ Institute	<input type="checkbox"/> 8% <input type="checkbox"/> 0%		
	College	<input type="checkbox"/> 2% <input type="checkbox"/> 0%		
	University	<input type="checkbox"/> 50% <input type="checkbox"/> 52%	AICC	President
		<input type="checkbox"/> 58% <input type="checkbox"/> 60%		
	<input type="checkbox"/> 0%			

Notes:

1. For patent rights shared with third parties, the percentage of costs borne by such third parties shall be deducted from the calculation in the table above.
2. Article 5, Paragraph 1, Subparagraph 7 of the NCHU *Regulations for the Management and Utilization of Research and Development Outcomes*: "R&D personnel who fail to pay for [their share of] the costs and still refuse to do so within 30 days of receiving a payment notice from the Division shall be **barred from applying for intellectual property rights registration for a period of three years. Furthermore, the University will suspend any ongoing applications for or maintenance of already registered intellectual property rights associated with said personnel.**"
3. Article 8, Paragraph 2 of the same *Regulations*: "**If the ... college and department (graduate institute) choose not to or are otherwise not required to share costs, the corresponding percentages shall be included in the University Endowment Fund.**"

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\* NCHU\_IPForm1-1 NCHU Faculty and Research Fellow R&D Outcomes: Invention/Utility Model/Design Patent Application (effective Aug. 2023)

**NCHU Faculty and Research Fellow R&D Outcomes:**

**Contribution Percentage and Revenue Distribution Agreement**

**(For shared patent rights)**

I. Name of the patent: \_\_\_\_\_

II. Application number: \_\_\_\_\_ (to be filled in by the Patent and Technology Transfer Division)

III. The cost- and revenue-sharing structure for the patent shall be subject to the National Chung Hsing University (“the University”) *Regulations for the Management and Utilization of Research and Development Outcomes* and the terms and conditions stipulated herein.

1. **Revenue distribution** scheme:

1. For patent applications **partially paid for by the University:**

After deducting royalties payable to the commissioning agency, the remaining revenue shall be shared between the **University and the inventors in a 60–40 ratio**.

2. For patent applications **paid for by the inventors or a third-party company:**

After deducting royalties payable to the commissioning agency, the remaining revenue shall be shared between the **University and the inventors in a 20–80 ratio**.

Note 1: Royalties for R&D outcomes derived from a **government-commissioned** project shall be withheld in accordance with the terms stipulated by the commissioning agency, with the remaining portion of the royalty revenue distributed in accordance with the ratios set forth above.

Note 2: The revenue distribution ratios for colleges, departments, and graduate institutes shall be subject to the University’s *Regulations for the Management and Utilization of Research and Development Outcomes*.

2. If the R&D team consists of two or more researchers, they shall negotiate among themselves to determine the revenue-sharing structure and indicate the revenue distribution ratios in the table below. Future revenue distribution will be handled in accordance with the table.

NCHU R&D personnel				
No.	R&D personnel	Contribution	Revenue distribution	Remarks
1	(Representative)	%	%	Affix additional rows if necessary.
2		%	%	
3		%	%	
Subtotal		%	100%	<b>If the R&amp;D team includes non-NCHU personnel, please also fill out the Patent Rights Waiver for Non-NCHU Inventors.</b>
Patent right co-owner’s R&D personnel				
No.	R&D personnel	Contribution	Revenue distribution	Remarks
4		%	distribution by co-owner shall	
5		%	be handled in	

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6		%	accordance with contract terms	
	Subtotal	%		
	Total	100%	100%	<b>All percentages must add up to 100% in the contribution column (including percentages attributed to the patent rights co-owner).</b>

**Note 1: Revenue distribution ratios may be adjusted based on actual conditions of the technology transfer project with the consent of all R&D personnel involved.**

**Note 2: Pursuant to the University's *Regulations for the Management and Utilization of Research and Development Outcomes*, the patent application and maintenance costs shall be borne by the representative.**

IV. Signatures of all R&D personnel in acknowledgement of the cost-and-revenue sharing structure indicated above:

1. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)
2. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)
3. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)
4. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)
5. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)
6. R&D personnel: \_\_\_\_\_ (signature/seal)    Date: \_\_\_/\_\_\_/\_\_\_\_ (MM/DD/YYYY)

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**NCHU Faculty and Research Fellow R&D Outcomes.  
 Patent Application Information Sheet**

1. Personal information of R&D personnel (affix additional tables if necessary)

No. \_\_\_\_\_ of \_\_\_\_\_

Chinese name		English name	
National identification number		Nationality	
Affiliation		Job title	
Tel		Fax	
Email			
Household registration address			
Mailing address			

[Note] Students with a full-time job and in-service master's program students must obtain written consent from their employer in order to be listed as an inventor.

No. \_\_\_\_\_ of \_\_\_\_\_

Chinese name		English name	
National identification number		Nationality	
Affiliation		Job title	
Tel		Fax	
Email			
Household registration address			
Mailing address			

[Note] Students with a full-time job and in-service master's program students must obtain written consent from their employer in order to be listed as an inventor.

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## 2. Patent information

1) Earliest record of the invention		
2) Prior research in similar technologies	1. Keyword and database search history: ◆ Keywords used: Chinese: English: ◆ Databases searched:  2. Published literature or existing similar technologies:	
3) Discipline  (Select the category first and then <b>select all items under that category that apply.</b>  <b>(Required)</b>	<input type="checkbox"/> Engineering technology	<input type="checkbox"/> Mechanical engineering <input type="checkbox"/> Civil engineering <input type="checkbox"/> Hydraulic engineering <input type="checkbox"/> Materials engineering <input type="checkbox"/> Environmental engineering <input type="checkbox"/> Medical engineering <input type="checkbox"/> Nano technology <input type="checkbox"/> Microfluidic chips <input type="checkbox"/> Other:
	<input type="checkbox"/> Biotech	<input type="checkbox"/> Genetic engineering <input type="checkbox"/> Biomedical testing <input type="checkbox"/> Biomedicine <input type="checkbox"/> Biochips <input type="checkbox"/> Microbiology <input type="checkbox"/> Animal vaccines <input type="checkbox"/> IT chips <input type="checkbox"/> Protein engineering <input type="checkbox"/> Dietary supplements <input type="checkbox"/> Other:
	<input type="checkbox"/> IT and Automation	<input type="checkbox"/> IT <input type="checkbox"/> Telecommunications <input type="checkbox"/> Computer electronics <input type="checkbox"/> <input type="checkbox"/> Microelectronic engineering <input type="checkbox"/> Network technologies <input type="checkbox"/> Photonics <input type="checkbox"/> Electrical engineering <input type="checkbox"/> Automation <input type="checkbox"/> Other:
	<input type="checkbox"/> Material and chemical engineering	<input type="checkbox"/> Pharmaceutical chemistry <input type="checkbox"/> Materials chemistry <input type="checkbox"/> Optoelectronic materials <input type="checkbox"/> Cosmetic chemistry <input type="checkbox"/> Analytical chemistry <input type="checkbox"/> Biomedical chemistry <input type="checkbox"/> Other:
	<input type="checkbox"/> Management	<input type="checkbox"/> Information management systems <input type="checkbox"/> Industry management <input type="checkbox"/> Telecommunications management <input type="checkbox"/> Business management models <input type="checkbox"/> Other:
	<input type="checkbox"/> Other	
4) Purpose of the invention <b>(Required)</b>		
5) Abstract (Chinese) (Describe the properties and features of the invention in clear, concise sentences.) <b>(Required)</b>		
6) Abstract (English)		

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<p>7) Features of the invention (Please include at least one example that best describes the features and characteristics of the technology.) <b>(Required)</b></p>	<ol style="list-style-type: none"><li>1. Comparison to existing technologies</li><li>2. Features and characteristics</li></ol>
<p>8) Description of the invention or creation (Give an overview of existing technologies and then itemize the invention's purposes, technologies, contents, features, and functions. Please also include drawings/diagrams to help technology users understand it and its applicability.) <b>(Required)</b></p>	
<p>9) Scope of the patent application (I.e., patent claims. Before defining the scope, please briefly describe the connections between this invention or creation with the original research project, including on which page(s) this invention or creation appears in the final project report.) <b>(Required)</b></p>	
<p>10) Drawings/ Diagrams <b>(Required)</b></p>	

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## 3. Promotion

<p>1) Technology readiness level (TRL) <b>(Required)</b></p>	<ul style="list-style-type: none"><li><input type="checkbox"/> TRL1 (Basic principles observed)</li><li><input type="checkbox"/> TRL2 (Technology concept formulated)</li><li><input type="checkbox"/> TRL3 (Analytical and experimental critical components)</li><li><input type="checkbox"/> TRL4 (Technology validated in lab)</li><li><input type="checkbox"/> TRL5 (Technology validated in relevant environment)</li><li><input type="checkbox"/> TRL6 (Technology demonstrated in relevant environment)</li><li><input type="checkbox"/> TRL7 (System prototype demonstration in operational environment)</li><li><input type="checkbox"/> TRL8 (System complete and qualified)</li><li><input type="checkbox"/> TRL9 (Actual system proven in operational environment)</li></ul> <p><b>More on the technology readiness level:</b></p> <p><b>TRL 1 – Basic principles observed</b> Scientific knowledge generated underpinning hardware technology concepts/applications. Scientific knowledge generated underpinning basic properties of software architecture and mathematical formulation.</p> <p><b>TRL 2 – Technology concept formulated</b> Invention begins, practical application is identified but is speculative, no experimental proof or detailed analysis is available to support the conjecture. Practical application is identified but is speculative, no experimental proof or detailed analysis is available to support the conjecture. Basic properties of algorithms, representations and concepts defined. Basic principles coded. Experiments performed with synthetic data.</p> <p><b>TRL 3 – Analytical and experimental critical components</b> Analytical studies place the technology in an appropriate context and laboratory demonstrations, modeling and simulation validate analytical prediction. Development of limited functionality to validate critical properties and predictions using non-integrated software components.</p> <p><b>TRL 4 – Technology validated in lab</b> A low fidelity system/component breadboard is built and operated to demonstrate basic functionality and critical test environments, and associated performance predictions are defined relative to the final operating environment. Key, functionally critical, software components are integrated, and functionally validated, to establish interoperability and begin architecture development. Relevant Environments defined and performance in this environment predicted.</p> <p><b>TRL 5 – Technology validated in relevant environment</b> A medium fidelity system/component brass board is built and operated to demonstrate overall performance in a simulated operational environment with realistic support elements that demonstrates overall performance in critical areas. Performance predictions are made for subsequent development phases. End-to-end software elements implemented and interfaced with existing systems/simulations conforming to target environment. End-to-end software system, tested in relevant environment, meeting predicted performance. Operational environment performance predicted. Prototype implementations developed.</p> <p><b>TRL 6 – Technology demonstrated in relevant environment</b> A high-fidelity system/component prototype that adequately addresses all</p>
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	<p>critical scaling issues is built and operated in a relevant environment to demonstrate operations under critical environmental conditions. Prototype implementations of the software demonstrated on full-scale realistic problems. Partially integrate with existing hardware/software systems. Limited documentation available. Engineering feasibility fully demonstrated.</p> <p><b>TRL 7 – System prototype demonstration in operational environment</b>          Prototype software exists having all key functionality available for demonstration and test. Well integrated with operational hardware/software systems demonstrating operational feasibility.</p> <p><b>TRL 8 – System complete and qualified</b>          The final product in its final configuration is successfully demonstrated through test and analysis for its intended operational environment and platform</p> <p><b>TRL 9 – Actual system proven in operational environment</b>          The final product is successfully commercialized and made available to the market.</p>
<p>2) Industry applications  <b>(Required)</b></p>	<p style="color: red;">(Please list possible utility and applications for the technology in as detailed a way as possible.)</p>
<p>3) Methods of promotion</p>	<p>Please select up to three methods of promotion based on current technology developments and future development plans:</p> <p><input type="checkbox"/> Patent license <input type="checkbox"/> Technology transfer <input type="checkbox"/> Academia–industry collaboration  <input type="checkbox"/> Spin-off company <input type="checkbox"/> Consulting <input type="checkbox"/> Technology presentation <input type="checkbox"/> Publication  <input type="checkbox"/> Commissioned development <input type="checkbox"/> Other: _____</p> <p style="color: red;">(Please provide further details for items selected above.)</p>
<p>4) Target industries  <b>(Required)</b></p>	<p><input type="checkbox"/> Agriculture/forestry/fishery/animal husbandry <input type="checkbox"/> Mining and quarrying  <input type="checkbox"/> Manufacturing <input type="checkbox"/> Water/electricity/gas/utilities <input type="checkbox"/> Construction/development  <input type="checkbox"/> Wholesale, retail, and dining/food &amp; beverages  <input type="checkbox"/> Transportation, warehousing, and telecommunications  <input type="checkbox"/> Banking, finance, insurance, and real estate  <input type="checkbox"/> Professional, science, or technological services  <input type="checkbox"/> Cultural, fitness, recreational, and other service industries  <input type="checkbox"/> Other: _____</p> <p style="color: red;">(Please select a main category above and indicate the exact subcategories and items here. See the <a href="#">Ministry of Economic Affairs Department of Commerce’s Table of Categories of Businesses.</a>)</p>

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5) Recommended requirements for recipient(s) of the technology	
6) Potential benefits of the technology (Describe the value that it creates.)	
7) Business(es) that can utilize the technology and its/there current state of operations <b>(Confidential)</b>	1. Business that can utilize the invention: Contact person:  2. Status of the business' products and technologies

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