

## Trade and Industrial Organisation Support Fund (TSF)

### Final Report on Approved Project

Grantee	:	<u>Federation of Hong Kong Industries (FHKI)</u>
Implementation Agent(s) (if any)	:	<u>Hong Kong Productivity Council (HKPC)</u>
Project reference no.	:	<u>T21 004 007</u>
Project title	:	<u>Hong Kong Patent Landscape Report</u>
Period covered in this report (whole project duration)	:	From <u>15/08/2022</u> to <u>14/01/2024</u> (dd/mm/yyyy) (dd/mm/yyyy)

## 1. Project Details

### Project summary (in about 150 words)

To provide a systematic patent landscape report to present the patterns of patenting activities and innovation to support the business and technology development of local enterprises. The results of the report will be helpful references to small and medium enterprises and start-ups in planning their research and development activities and patent protection strategies, enabling the related industries to explore and grasp new opportunities.

The project deliverables included a research on worldwide and Hong Kong innovation and patent filing trends, enterprise interviews and survey, focus group meetings, a review study of Hong Kong's patent system and patenting trends, a patent landscape report, a launch event, three seminars, a project website and promotional activities.

### Project objectives (in about 50 words)

1. To enhance the competitiveness of Hong Kong enterprises by providing R&D insights through the Hong Kong Patent Landscape Report.
2. To provide insights and best practice sharing of patent filing and patent management strategies.
3. To support Hong Kong enterprises in creating value and maximizing their IP assets, by leveraging the development of Hong Kong into a regional intellectual property trading centre as stated in the 14th Five-Year Plan.

### Collaborating Organisations (if any)

- 1) The Chinese Manufacturers' Association of Hong Kong
- 2) The Hong Kong Chinese Importers' and Exporters' Association
- 3) The Hong Kong General Chamber of Commerce
- 4) The Chinese General Chamber of Commerce
- 5) Hong Kong Intellectual Property Council
- 6) Hong Kong Trade Development Council

### Key personnel

	<u>Name</u>	<u>Post title and name of organisation</u>
Project Coordinator	: <u>WONG Ka Yin, Nathan</u>	<u>Acting Manager, Intellectual Property Centre, Federation of Hong Kong Industries (as of project application in 2022)</u>
Deputy Project Coordinator	: <u>CHOW Tsz Ching, Ada</u>	<u>Legal Counsel, Hong Kong Productivity Council (as of project application in 2022)</u>

## 2. Summary of Project Results

### Governance

Please state the composition of the steering committee (or other committees) formed under the project.

- |       |   |
|-------|---|
| (i)   | Jamie Cheng, Associate Director of FHKI (up to 18 November 2022) /<br>Bonnie Chan, Director General of FHKI (from 19 November 2022)                 |
| (ii)  | Ada Chow, Legal Counsel of HKPC (up to 31 August 2022) /<br>Patricia Fong, Head of Intellectual Property Management of HKPC (from 1 September 2022) |
| (iii) | Lewis Luk, Chairman of Hong Kong Intellectual Property Council  |

### Project deliverables

Please list out the project deliverables carried out during the project duration in accordance with the approved project proposal and provide details on the actual result achieved for each deliverable.

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<b>1. Research of innovation and patent filing trends worldwide and in Hong Kong</b>			
<p>First report completed on 28 Dec 2022. Finalised report completed on 28 Mar 2023.</p> <p>The research was conducted by Clarivate based on its own database.</p> <p>Research scopes including:</p> <ol style="list-style-type: none"> <li>(1) patent filing trend (worldwide and Hong Kong);</li> <li>(2) top innovation centers (US, China, Japan, South Korea and the European countries) and their number of PCT patents filed;</li> <li>(3) top filing destinations of Hong Kong innovations;</li> <li>(4) technological areas with the most patent filings;</li> <li>(5) fast-growing technological areas;</li> <li>(6) top players in patent filing; and</li> <li>(7) number of applications in specific technology areas for Hong Kong innovations.</li> </ol>	<u>1</u> time	<u>1</u> time	N/A
<b>2. Enterprise interviews and Survey</b>			
<p><u>Survey</u> Questionnaires were distributed to more than 300 enterprises.</p> <p>Selection criteria:</p> <ol style="list-style-type: none"> <li>(1) Companies involved in fast growing technology areas identified in deliverable 1, namely computer technology, digital communications, IT methods for management, Pharmaceuticals and Biotechnology.</li> </ol>	<u>1</u> survey, <u>150</u> enterprises	1 survey, 157 enterprises	N/A

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>(2) Companies involving in R&amp;D and patent filings.</p> <p><u>Interviews</u> Selection criteria:</p> <p>(1) Companies in the fast growing technologies identified in deliverable 1;</p> <p>(2) Top filers of Hong Kong patent applications identified in deliverable 1; and</p> <p>(3) Start-ups and SMEs with experience in patent filings and IP commercialisation.</p>	<p><u>5</u> interviews</p>	<p>5 interviews conducted on: <u>19 Dec 2022</u> SenseTime Group Limited (It is one of the top players in computer technology area.)</p> <p><u>29 Dec 2022</u> TFI Digital Media Limited (It is a SME in the digital communications area with experience in patent filings and commercialisation)</p> <p><u>4 Jan 2023</u> Master Dynamic Limited (It is a top filer of the Hong Kong short-term patent applications.)</p> <p><u>4 Jan 2023</u> Precision Robotics (Hong Kong) Limited (It is a start-up company in AI robotics (computer technology area) with experience in patent filings.)</p> <p><u>5 Jan 2023</u> Alibaba Group (It is a top filer of Hong Kong patent applications.)</p>	
<b>3. Focus group meetings</b>			
<p>The focus group meetings conducted on 16 January 2023 involved the following groups of stakeholders:</p> <p>Group 1 - Innovation Start-ups and/or manufacturing enterprises</p> <p>Group 2 - R&amp;D institutes and / or centres</p> <p>Group 3 - IP / patent professionals</p>	<p><u>3</u> meetings (1.5 hrs and 5 participants each)</p>	<p><u>3</u> meetings (2 hrs each)</p> <p>Group 1: 6 participants Date: 16 Jan 2023 Time: 16:00 – 18:00 Venue: Room 120, HKPC Building</p> <p>Group 2: 6 participants Date: 16 Jan 2023 Time: 10:00 – 12:00 Venue: Room 120, HKPC Building</p>	<p>The steering committee decided to have 1 stakeholder group for each meeting to facilitate more in-depth discussion with the targeted industry group.</p>



Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<p>Selection criteria:</p> <p>(1) Experience in R&amp;D and/or innovation activities;</p> <p>(2) Experience in technology transfer and IP commercialisation;</p> <p>(3) Experience of utilizing patent research and patent analytics in R&amp;D and in business;</p> <p>(4) Top enterprise players in particular technology fields as identified in deliverable 1; and</p> <p>(5) Experience of patent filing and management.</p>		<p>Group 3: 5 participants</p> <p>Date: 16 Jan 2023</p> <p>Time: 14:00 – 16:00</p> <p>Venue: Room 120, HKPC Building</p>	
<b>4. Review study</b>			
<p>Review study completion date: 31 May 2023.</p> <p>The study was conducted by the lead researcher, Dr Li Yahong, Associate Professor of the Department of Law at the University of Hong Kong</p> <p>Topics of the review study are:</p> <ul style="list-style-type: none"> <li>• Hong Kong's Position in Global Innovation</li> <li>• The Main Features of Hong Kong Patent System</li> <li>• Hong Kong's Patenting Trend in Recent Years</li> <li>• The Initiatives for Hong Kong SMEs Seeking IP Protection</li> </ul>	<u>1</u> Study	<u>1</u> Study	N/A
<b>5. Patent Landscape Report</b>			
<p>Report completion date: 28 August 2023</p> <p>Title: Hong Kong Patent Landscape Report</p> <p>Language: Traditional Chinese and English</p> <p>Distribution channels:</p> <ul style="list-style-type: none"> <li>• Official project website <a href="https://hkpatentreport.org/">https://hkpatentreport.org/</a></li> <li>• Websites of FHKI and HKPC</li> <li>• Hard copies through three FHKI offices at Cheung Sha Wan, Mong Kok and Central</li> <li>• Launch event and Seminars</li> </ul> <p>e-version available at:  <u>Chinese:</u>  <a href="https://hkpatentreport.org/wp-content/uploads/2023/08/0817_HKPLR-Brochure-Chi-11.pdf">https://hkpatentreport.org/wp-content/uploads/2023/08/0817_HKPLR-Brochure-Chi-11.pdf</a></p>	<u>1</u> e-version and <u>500</u> hard copies	<p><u>1</u> e-version and <u>500</u> hard copies</p> <p>The report included Part A (in Chinese) and Part B (in English).</p> <p>Hard copies: 500 each for Part A and Part B.</p> <p>Part A and Part B are distributed together as a whole.</p>	N/A

Details of the deliverable conducted	Quantifiable target (as stated in the approved project proposal)	Actual result achieved	Reasons for not achieving the target (if applicable)
<u>English:</u> <a href="https://hkpatentreport.org/wp-content/uploads/2023/08/0817_Brochure-PDF-Folder-25.pdf">https://hkpatentreport.org/wp-content/uploads/2023/08/0817_Brochure-PDF-Folder-25.pdf</a>			
<b>6. Launch event</b>			
Launching Date: 31 August 2023 Time: 14:00 - 16:00 Location: Theatre 1, HKPC Building Format: physical event Language: Chinese (Cantonese and/or Putonghua)  <b>Selection criteria of speakers:</b> 1) Experienced Patent Attorney, Ms. Yolanda Wang, Principal of Eagle IP Limited  2) Expert in IP commercialisation and technology transfer, Mr. Ivan Sham, Chief Commercial Officer of Nano and Advanced Materials Institute	Length of the event: <u>2</u> hours  Number of Participants: <u>70</u>	Length of the event: <u>2</u> hours  Number of Participants: <u>74</u>	N/A
<b>7. Seminars</b>			
<b><u>Seminar 1</u></b> Topic: Patent and Innovation Trends in Hong Kong Date: 15 September 2023 Time: 16:00 - 18:00 Language: Chinese (Putonghua) Format: hybrid form (physical and online webinar) Venue: Room 126, HKPC Building  Speaker: Dr. Li Yahong, Associate Professor of The University of Hong Kong  <b><u>Seminar 2</u></b> Topic: How does IP drive collaborative innovations? Date: 11 October 2023 Time: 16:00 – 18:00 Language: Chinese (Cantonese) Format: hybrid form Venue: Room 126, HKPC Building Speakers: 1) Mr. Sam Yip, founding member of Idea Intellectual Limited 2) Mr. Ricky Chow, tax partner at PricewaterhouseCoopers  <b><u>Seminar 3</u></b> Topic: What is the Role of IP in Empowering Innovation Ecosystems? Date: 22 November 2023	<u>3</u> seminars  No. of participants for each of the 3 seminars: <u>40</u>  Duration for each of the 3 seminars: <u>2</u> hours	<u>3</u> seminars  <b><u>Seminar 1</u></b> No. of participants: <u>46</u> (20 on-site, 26 online)  Duration: <u>2</u> hours  <b><u>Seminar 2</u></b> No. of participants: <u>55</u> (21 on-site, 34 online)  Duration: <u>2</u> hours  <b><u>Seminar 3</u></b> No. of participants: <u>48</u> (21 on-site, 27 online)	N/A



	Research of innovation and patent filing trends in worldwide and in Hong Kong ( <b>deliverable 1</b> )	14/01/2023	28/03/2023	D	Note (i)
(a)	Enterprise interviews and survey	14/01/2023	20/03/2023	D	Note (ii)
(b)	( <b>deliverable 2</b> )				
	Focus group meetings	14/02/2023	16/01/2023	C	
(c)	( <b>deliverable 3</b> )				
	Review study ( <b>deliverable 4</b> )	14/07/2023	31/05/2023	C	
(d)	Patent Landscape Report	14/09/2023	28/08/2023	C	
(e)	( <b>deliverable 5</b> )				
	Launch event	14/09/2023	31/08/2023	C	
(f)	( <b>deliverable 6</b> )				
(g)	Seminars ( <b>deliverable 7</b> )	14/01/2024	22/11/2023	C	
(h)	Website ( <b>deliverable 8</b> )	14/08/2023	14/08/2023	C	
	Promotional Activities	14/01/2024	31/12/2023	C	
(i)	( <b>deliverable 9</b> )				

Note:

- (i) The first research report by Clarivate was completed on 28 December 2022. The report was finalised on 28 March 2023 with further analysis on the origin analysis of the original grant patent applications in Hong Kong and the growth rate of the identified technologies in Hong Kong.
- (ii) Survey was extended to 20 March 2023 in order to achieve target number of respondents.