

E-trademark registration services to improve process performance and prevent trademark infringement

Group 5 EEI Final Report

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Section outline

- Ch1 Introduction
- Ch2 Literature Review
- Ch3 Method
- Ch4 Case Study
- Ch5 Conclusion





Background





Motivation & Background

The importance of Trademark registration is increasing because of the global access to products and services.





In order for enterprises to maintain competitive, build brand equity, secure consumer trust, a trademark is essential intangible asset.





Problem

The process of Trademark registration still exists many bottlenecks and non-value steps.



***** There are many wasteful resources in information transmit process

if customers contact agent directly.







Ch1 Introduction

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What is Trademark?

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1.1 Trademark(1/2)

Trademark is customer identity – the way show who you are and it also called the brand.

Only registered trademarks can carry the **B** symbol.

Trademark's type involved

- Word
- Phrase
- Sound
- Movement
- Logo
- Picture
- Combination of the above.



1.1 Trademark(2/2)

* The trademark serves as an agreement between the seller and the buyer that the mark seals and certifies and extended product as something more than a commodity.





Objective

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1.2 Goal and objective

The goal of this research is to use business process analysis to diagram the objects, processes, costs, and the players involved in registering a trademark in a country of origin.

The research create an e-trademark platform to improve the process flow of registering a trademark.





Ch2 Literature Review



2.1 Trademark Registration

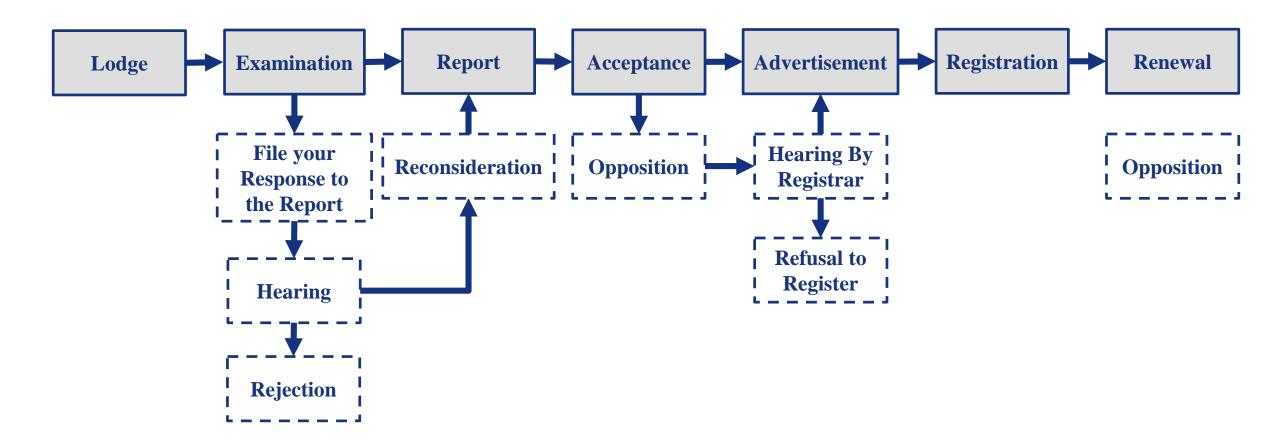
Registration of a trademark is a systematic procedure that is controlled by the state

Once the mark is registered in a country, the Madrid system may be used by member countries to simultaneously register trademarks among 114 global participating member countries





2.1 Process of Trademark Registration





2.2 Web Mining

Web mining describes the automatic search of information resources available on-line, i.e. Web content mining, and the discovery of user access patterns from Web servers, i.e., Web usage mining.

***** The techniques used for mining structured data are

- Web Crawler
- Wrapper Generation
- Page content Mining.



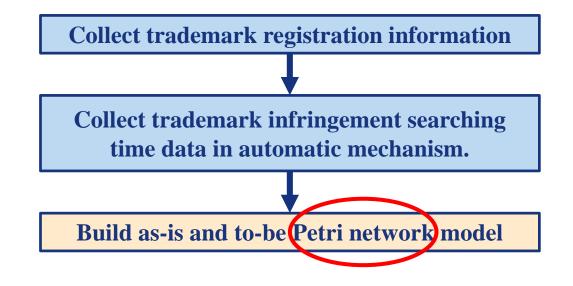


Ch3 Method

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Method





Australian Government

IP Australia

LEGALVISION®

smart law for business

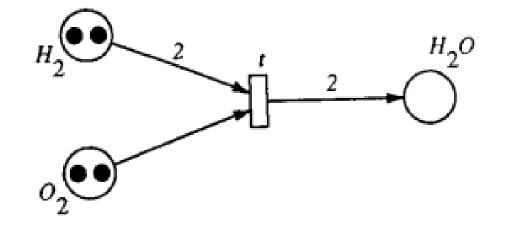


Petri Nets

A graphical and mathematical modeling tool which widely apply to many systems.

Promising tool for describing information processing systems and can be used as a visual communication aid similar to flow charts, block diagrams, and network.

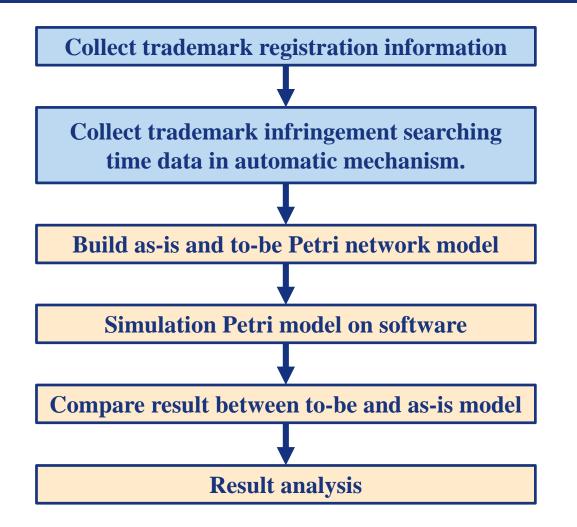
Simulate the dynamic and concurrent activities of systems







Method



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Ch4 Case Study

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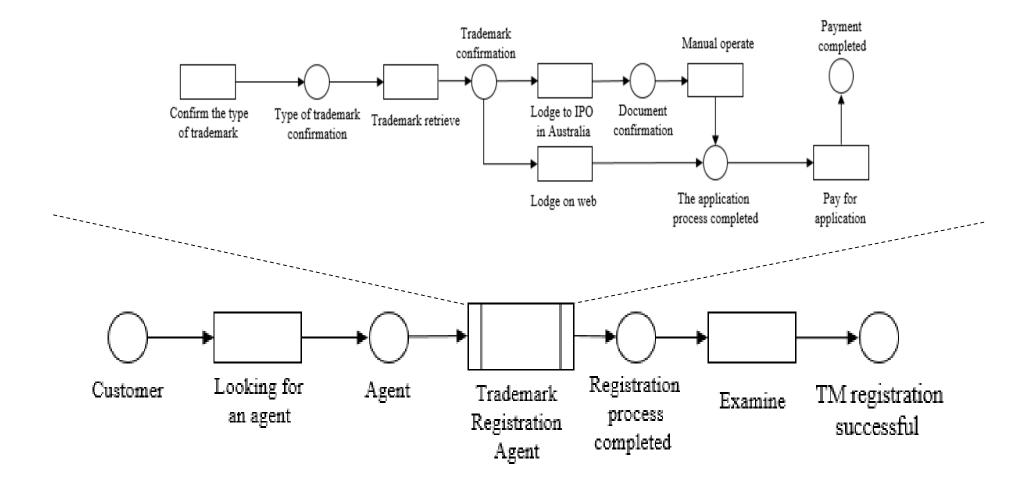
4.1 Data collection

Collect trademark registration information

- The study is focused on the trademark registration process of Australia, data is according to the web of IP Australia
- Searching every parts of the process and make the process as a diagram to show every steps
- The rules formulated by the government of Australia also extend to the As-is model which was made in the study.



4.2.1 As Is Model



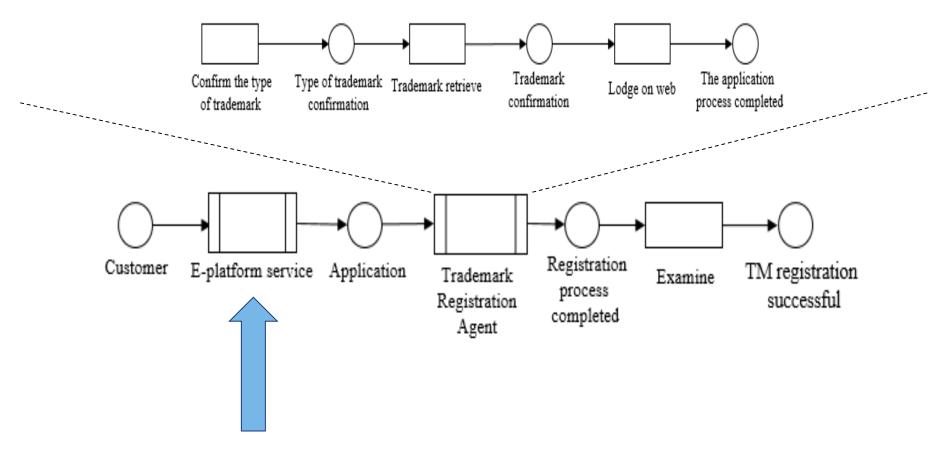


4.2.2 The Problems in As-is Model

- ***** It spend a customer too much time to find an agent.
- ***** It cost a customer too much money to find an agent.
- There exist communication problems between the customer and the agent.
- ***** The process is too complex for both of the customer and the agent.



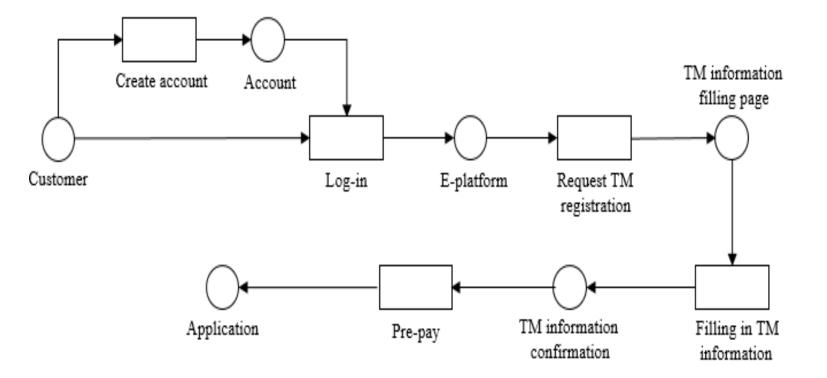
4.3.1 To-Be Model



The biggest point we had changed



4.3.1 To Be Model (Drilled Down)





4.3.2 The Improvement in To-be Model

We build a platform trying to solve the communication problems between the customer and the agent.

Customers can find the suitable agent by the platform.

Customer and agent can match with each other by the platform, it can not only save the time but also save the money.

The platform provide a charging system, it can not only protect the customer but also the agent.



4.4 Simulation Result

	Traden	Trademark registration service	
	As-is	To-be	*Improvement
Time (hour)	7494.5	5105.5	31.87%
Cost	1015520	715520	29.54%
Value-added	208000	258000	24.03%
Manpower	7	3	57.14%





Ch5 Conclusion



5.1 Conclusion

The trade is the most valuable thing in 21st century, our project provide a easier way for the people who need to register trademark.

The platform provide a more efficient way for client to register trademark and a shorten information delivery path between client and agent.



5.2 Academic contribution

A comparative study both of model will generate statistics to measure the significant improvement.

In the future, the study will further develop web mining tools and the E-platform so that companies can better protect sensitive and highly valuable intellectual property







Thanks for your listening~

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