

[Abstract]

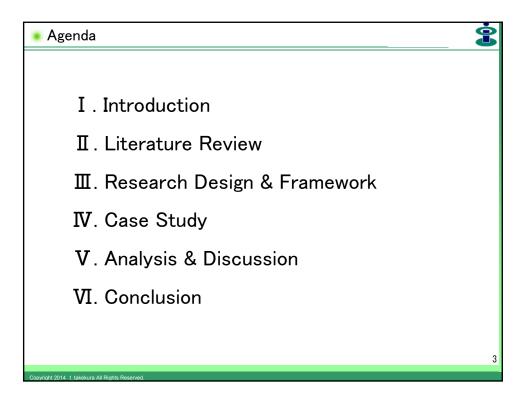
This paper describes product innovation produced by market needs in emerging country through globalization of manufacturing industry, in a case of fastener business by YKK.

It is generally said that product innovation is mainly produced in advanced enterprises in advanced countries, and after maturity of domestic market of such countries, the new product will be popularized also in emerging countries. Manufacturing enterprises in emerging countries should catch up the advanced technology and penetrate the market usually by reducing cost of production without producing new product innovation.

YKK was one of such late-comer-enterprises in Japan as an emerging country in early 20th century, and they should absorb the advanced technology from USA at the beginning. However they were successfully produced second product innovation and enlarged their business even for advanced countries over the world. They have been grown up so rapidly in these several decays, and still now they keep its high world-wide-market-share of over 45%.

The detailed analysis on their business clarified that their second product innovation was led by specific market needs in Japan as an emerging country. The analysis implies on how manufacturing enterprises produce a successive product innovation to overcome stagnation in the globalized market.

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I . Introduction

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Background

Since late 20th century, international competition of enterprises has become harder and harder, and many enterprises are now facing severe survival game in global world.

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"Product Innovation" is one of the most important clues for manufacturing enterprises to keep their competitive competence in such situation.

However, it is very difficult for many enterprises to produce product innovation successively. Producing successive product innovation is a significant issue for contemporary enterprises.

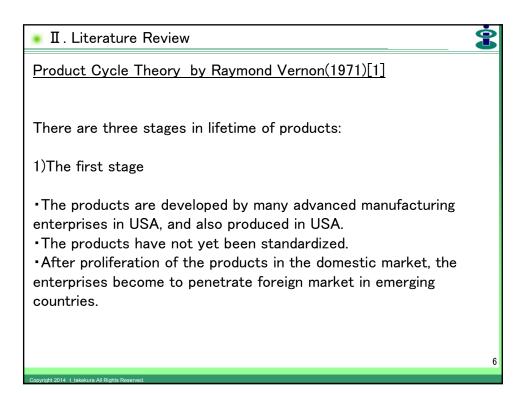
I. Introduction

Focus of this research

Conventionally, it has been thought that product innovation be produced in advanced enterprises in developed countries and many enterprises in developing countries have disadvantages.

However, detailed observation shows us that there are many opportunities to produce product innovation even for late-comer enterprises in developing countries.

This research is focusing on how late-comer enterprise can produce product innovation, and the key to produce successive innovation will be also discussed through analyzing the case.



II. Literature Review 2)The second stage •The product design/specification are almost standardized by dominant design. •Thus the competitive enterprises are focusing on advancing process technology of manufacturing. •Because of market expansion and appearance of competitors, production base of advanced enterprise is moved onto emerging countries for cost reduction. 3)The third stage •The technological gap of USA and the emerging countries is getting smaller by technology-spill-over. •The products are imported from emerging countries to USA, because of low cost of fabrication. However, the late-comerenterprises in emerging countries are hard to produce product innovation.

•	Π.	Literature	Review
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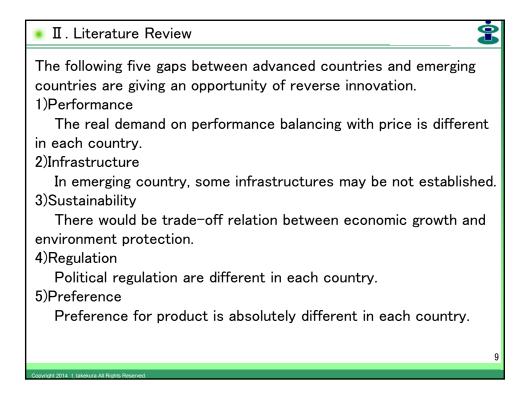
Reverse Innovation

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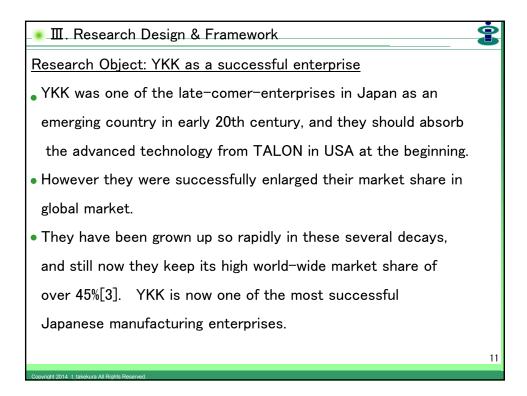
by Vijay Govindarajan and Chris Trimble(2012)[2]

Usually, product innovation is produced in advanced countries, however there are some opportunities to produce product innovation in emerging countries:

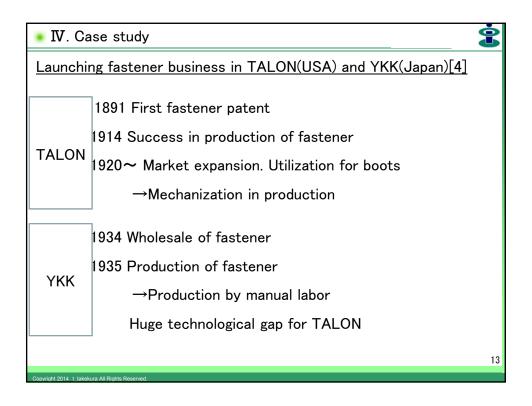
In emerging countries, there are many demands for new products which are quite different from those in advanced countries. If a new product is produced to fit those demands in emerging countries, sometimes the product is also fit to the potential demands in advanced countries, and it can be popularized also in advanced countries.



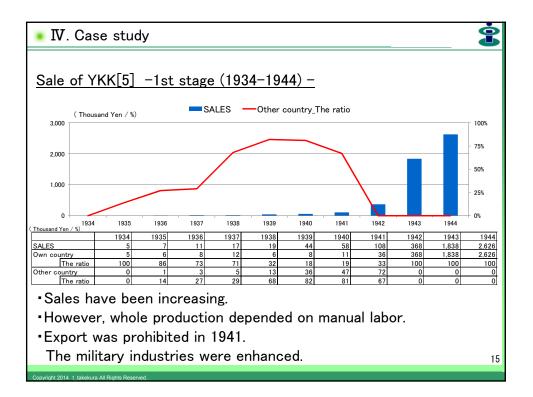
💌 III. Research Design & Framework
Research Question
 Are the manufacturing enterprises in emerging countries
really difficult to produce product innovation?
• If some successful enterprises in emerging countries could have
produced product innovation, how could they achieve it?
(It would be a clue for manufacturing enterprises to overcome
stagnation in the global market.)

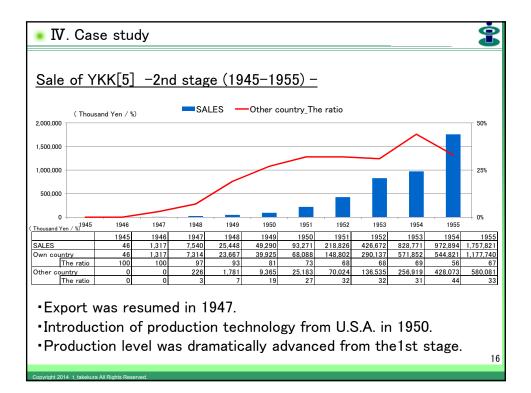


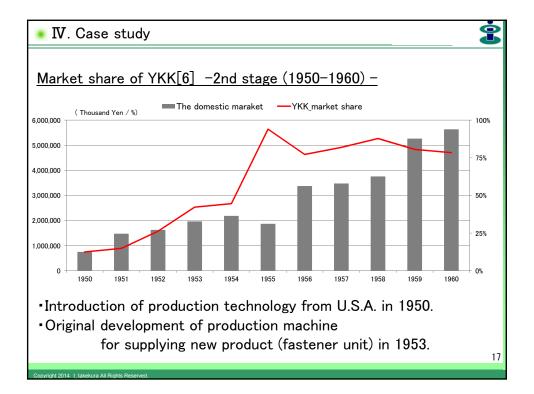
III. Research Design & Framework	9
Framework of study	
 To observe the historical change of sales of YKK (Japan)for 	
describing their business success in global market.	
*1 st stage: 1934-1944	
*2 nd stage: 1945-	
• For analyzing the reason of their success, to compare the produc	;t
contents of YKK and TALON. And to research the motivation of	
YKK's changing their production style for understanding product	
innovation produced in emerging country.	
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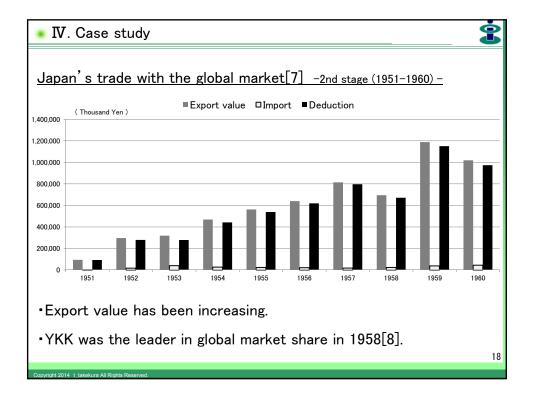


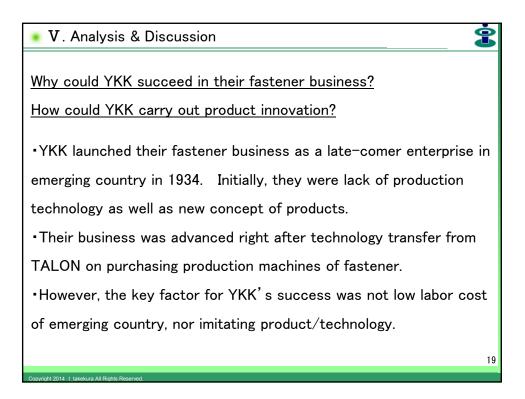
• IV. Case study				
History of YKK business[4]				
1st stage 2nd stage	1934 Wholesale of fastener			
	→Sales for export were grown up 1941 Prohibition of export by the government			
	1947 Resume of export			
	1950 Introduction of TALON's technology			
	(Purchasing production machine) 1953 Original development of production machine			
	for supplying new product (fastener unit) to Japanese customers (small apparel sewing factories)			
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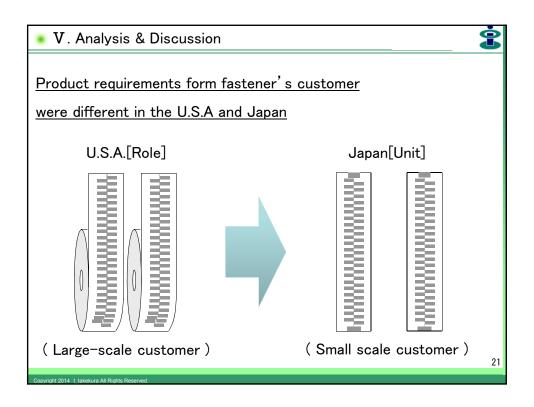


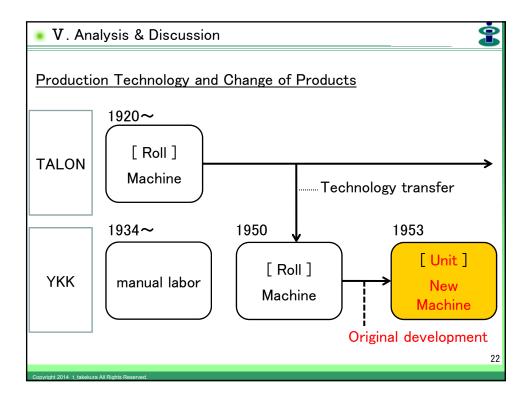


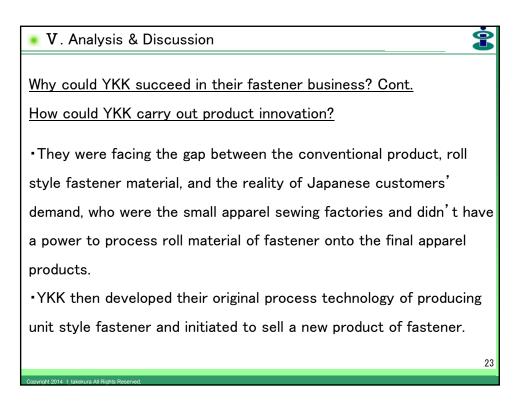


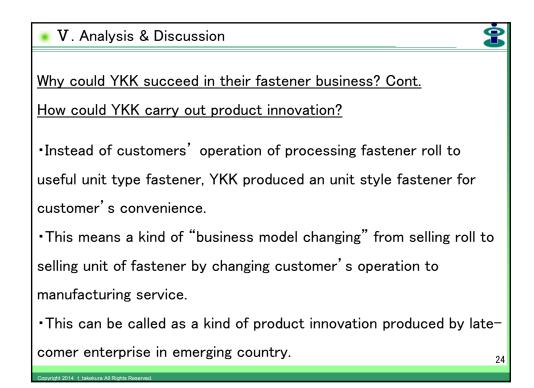
V. Analysis & Discussion	2
<u>Compare business scale of fastener's customer</u> <u>in the U.S.A and Japan.</u> •Employees of the plant in 1954[9] Less than 10 persons •••• U.S.A.: 4.5%, Japan : 30.5% Less than 50 persons •••• U.S.A. : 30.6%, Japan : 73.3% More than100 persons •••• U.S.A. : 46.1%, Japan : 13.9%	
•U.S.A. Production was done in large scale plant by division of labor and the introduction of equipment had been carried out in the 1910s[10].	
•Japan Whole operation was carried out in the home, and division of labor was incomplete[11].	20

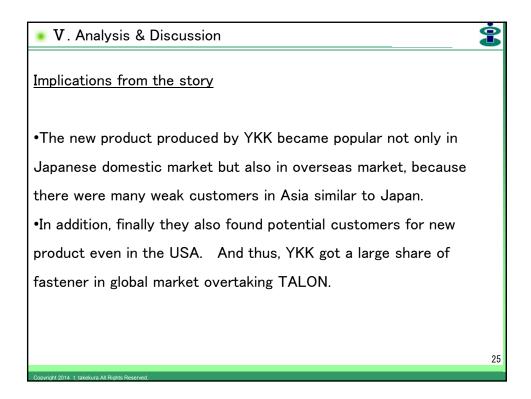
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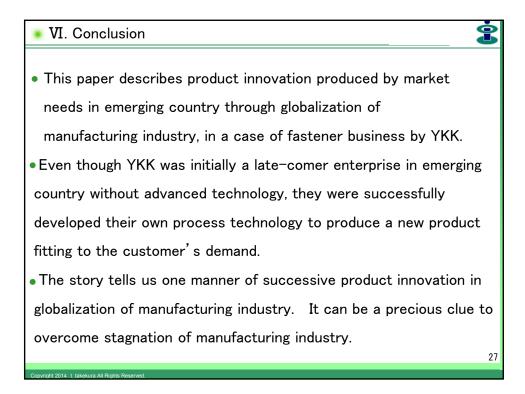


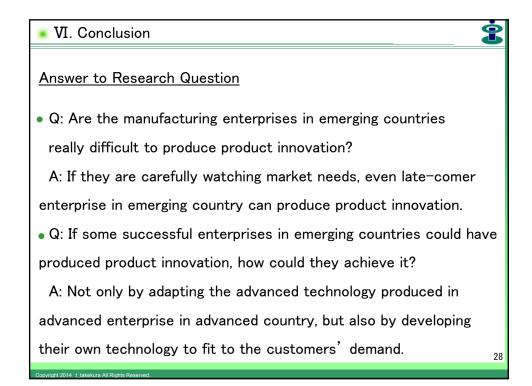












[References]

- [1] Raymond Vernon ; SOVEREIGNTY AT BAY, 1971
- [2] Vijay Govindarajan and Chris Trimble ; REVERSE INNOVATION, 2012
- [3] For example for market share information; Nihon Keizai Shimbun, Inc., pp.18, August 7, 2013
- [4] Yoshida kougyou ; "Y.K.K. sanjyunenshi", 1964
- [5] Compiled by Gojyunenshi hensanshitu ; "YKK gojyunenshi", Yoshida kougyou, Inc., 1984
- [6] Compiled by Research and Statistics Department Minister's Secretariat(Each year); "Industrial statistics", Ministry of International Trade and Industry
- [7] Yushodo film syuppan ; "Nihon gaikoku boueki nenpyou", 1964
- [8] Yomiuri Shimbun, Inc., pp.5, February 20, 1962
- [9] Takizawa, K. ; "Nihon-kougyouno-kouzo-bunseki", syunjyusya, pp.70-74, 1965
- [10] Tomizawa, S.; "NY-manhattanniokeru-ifukufassyonsangyou-to-kourigyouno-130nenshi", Osaka city unniv., pp.3-10, 2012
- [11] Takizawa, K.; "Sengo-nihon-kougyou-kouzouno-ichikousatu", 1957

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