



Arm's length and captive transactions: Patent-based view of control in internationalization

Deli Yang*

Department of Business Administration, Trinity University, One Trinity Place, San Antonio, TX 78212-7200, USA

ARTICLE INFO

Article history:

Received 24 November 2010

Received in revised form 22 June 2011

Accepted 11 July 2011

Keywords:

Arm's length transaction

Captive transaction

Competitiveness

Complementarity

Conditions

Industry-based view

Institution-based view

Patent

Patent control

Resources-based view

ABSTRACT

This conceptual paper responds to the need for examining the role of patent control over internationalization. It proposes the patent-based strategy of control, in other words, how 3Cs – complementarity, competitiveness, and conditions – impact the strategic decision on corporate control over the patent; thereby the option of commercialization between arm's length and captive transactions. It demonstrates the multiple theoretical natures of business strategies; emphasizes how strategic fit can impact the decision on control; addresses patents as intangible assets that form a comparative and competitive advantage rather than only as a legal right and that have bearing on strategic decision making. The paper proposes that the intention of high control over a patent drives the owner to opt for captive transactions; low control arm's length transactions. Nonetheless, the challenge lies before the decision is made; managers need to assess the 'strategic fit' elements that directly impact on the extent of control.

© 2011 Elsevier Ltd. All rights reserved.

1. Introduction

Since the members of the World Trade Organization (WTO) signed the *Trade-Related aspects of Intellectual Property Rights* agreement in 1995 (WTO, 1995), there has been increased attention to the interface between patents and international business (IB). Patents here refer to the legal rights given to an individual inventor (or entity) over creations of the mind that resolve technological problems, and these rights give the owner exclusive rights over making, using, offering for sale, selling or importing related products or services within defined spatial and temporal parameters (Yang, 2008). The patent field has expanded substantially over the past two decades from being an esoteric subject only of interest to specialist lawyers to an exoteric issue that straddles across disciplines. One aspect of its interface with strategic management comes about when managers need to make decisions as to what business strategy to adopt so as to maximize patent value. In the decision process, the extent of control over the patent affects the business decision. However, what determines the degree of control over patents appears to be under-studied, and often little understood. Therefore, a comprehensive theoretical consideration of patent control and business strategy has yet to be undertaken.

This paper argues that deciding patent transactions differs fundamentally from deciding tangible goods transactions (Liu, 1996; Zheng, 1999). First, the patent transaction is more complex than that of tangible assets, whose ownership simply shifts from the seller to buyer upon transaction. Patent transactions, however, can be: outright transfer of the patent ownership itself, or transfer of products or services in which the patent is embedded. While the former resembles the transaction of a

* Corresponding author. Tel.: +1 210 9997008.

E-mail address: dyang@trinity.edu.

physical good, most transfers are related to the latter type, and entail the authorization by the patent owner to another party to make, sell or use a product or service that depends in some way on the patent.

Second, considerations are complex due to temporal and spatial restrictions on patents, which mean the legal rights to the use of the patent can only be owned by one person or entity within a defined geographical area for a specific period of time. Such protection is basically nation-based, and patents are not protected across national boundaries unless they are subject to integrated cross-country protection agreements. Patents also have a legal expiry date (usually 20 years): once a patent expires, anybody can use it. By comparison, physical goods rarely involve such legal complications.

In spite of the complexity of patent transactions, the interface of patent control and strategic decision on the mode of international patent transaction appears scarcely to have been examined. The main reasons for little attention are the lack of data (Arora & Ceccagnoli, 2006), and the fact that patents have drawn close and wide business and management attention in recent years. Prior research has often treated patents as a macro factor, aiming to assess their impact on business strategy decisions (i.e., the stronger the patent protection in a country, the higher the scale of internationalization involved, Allred & Park, 2007; An & Puttitanun, 2006; Chung & Beamish, 2005; Luo, 2001) and on partnership structures (Hagedoorn, Cloodt, & Kranenburg, 2005; Oxley, 1999). These studies treat patents as a legal factor, and examine their causal relations with business strategies, rather than consider them as a transaction target. In contrast, this present study focuses on patents as a special product or process to assess the determinants of its transaction decisions associated with patent control.

The paper therefore proposes a theoretical argument that managerial decision on the degree of control and subsequently the pattern of a patent transaction is determined by the 3Cs – complementarity, competitiveness and conditions. Although the model can apply to national transactions due to the factorial relevance, this paper focuses discussions on dealing with patent transactions in the more complex international context.

The remainder of the paper first outlines the theoretical model, including defining some key concepts to establish fundamental understanding – the ‘what’ factor. We then focus on the theoretical and operational linkages of the model and make relevant propositions – the ‘how’ factor. Next, the importance of this research proposal is justified – the ‘why’ factor. The final section provides the implications for patent business practice and research.

2. Explaining the patent-driven transaction decision

2.1. Patent-driven transaction decision model

Fig. 1 shows the proposed model. The endogenous construct is the *Transaction Decision* – decision as to what strategy to adopt for a patent transaction. The *Control* leads to the transaction decisions, and is defined as the managerial scrutiny with regard to the control of a patent, and the implications on the transaction decision. It serves as an exogenous construct for the transaction decision, but an endogenous construct for the 3C factors on the left of Fig. 1 – *complementarity*, *competitiveness* and *conditions*. These three exogenous constructs affect control considerations; thus effect transaction decisions.

Complementarity refers to how a potential recipient of a patent can complement the strength of the owner to maximize patent value – the more it complements, the higher the complementarity. *Competitiveness* indicates the status of rivalry associated with a patent – the more rivalries, the higher the competitiveness. *Condition* means how the investing

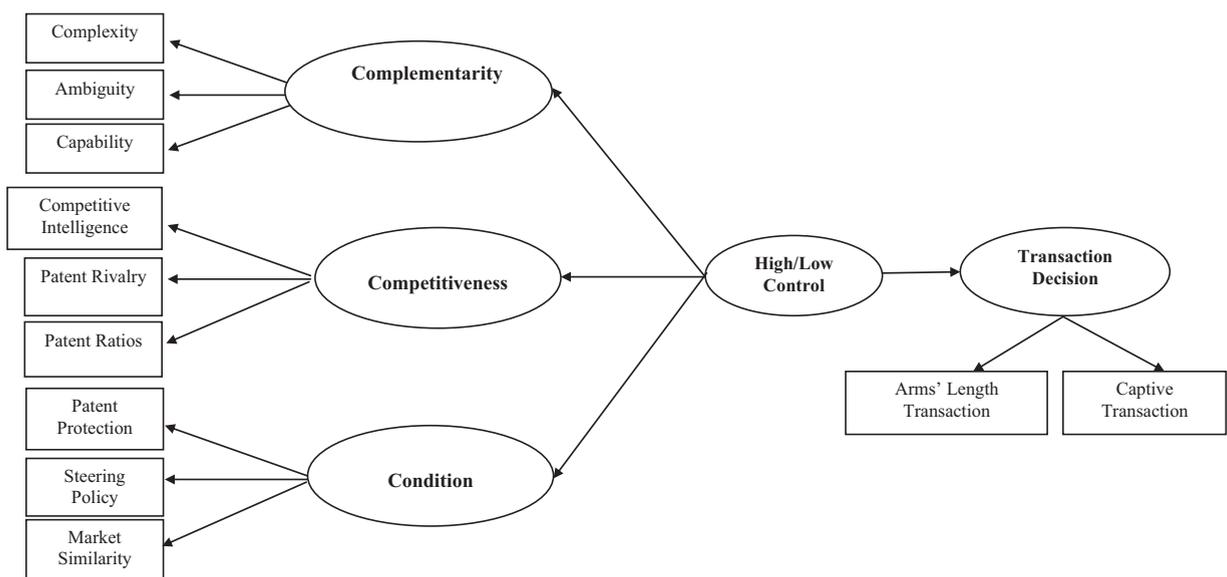


Fig. 1. The patent-driven business decision framework.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات