
**Comparables for
Patent Transaction
Valuation**

THINKFIRE
INTELLECTUAL PROPERTY EXPERTISE AND ACTION

Patent Valuation Conference
Berkeley Center for Law & Technology
February 6, 2008

– Agenda –

• ***Gathering Comps: A Simple Study of Patent Brokerage Pricing Levels, 2002-2008***

- Applications for the Findings
- Trends Moving Forward
- Questions

Let's begin by discussing how we performed our study, and what we found

– Our Study –

Methodology

- Document verifiable transactions to establish a record of price levels
- Ignore terminated, suspended, and in-process transactions
- Opaque market limits perspective
- Interview 30+ industry decision makers

Summary Statistics

- Determined price levels
 - Overall (2002-2008)
 - 2008

Trends

- 2 key dynamics driving change
- 4 key trends

Our database of 309 deals collected between 2002-2008 indicates a median price per family of \$112,000 and a mean price of \$383,000

— Summary Results —

Factor	Overall
Number of Transactions	309
Total Gross Deal Proceeds	\$573 m
Maximum Cost / US Issued + WW	\$12 m
Mean Cost / US Issued + WW	\$383 k
Median Cost / US Issued + WW	\$112 k

Source: ThinkFire transaction database, 2002-2008

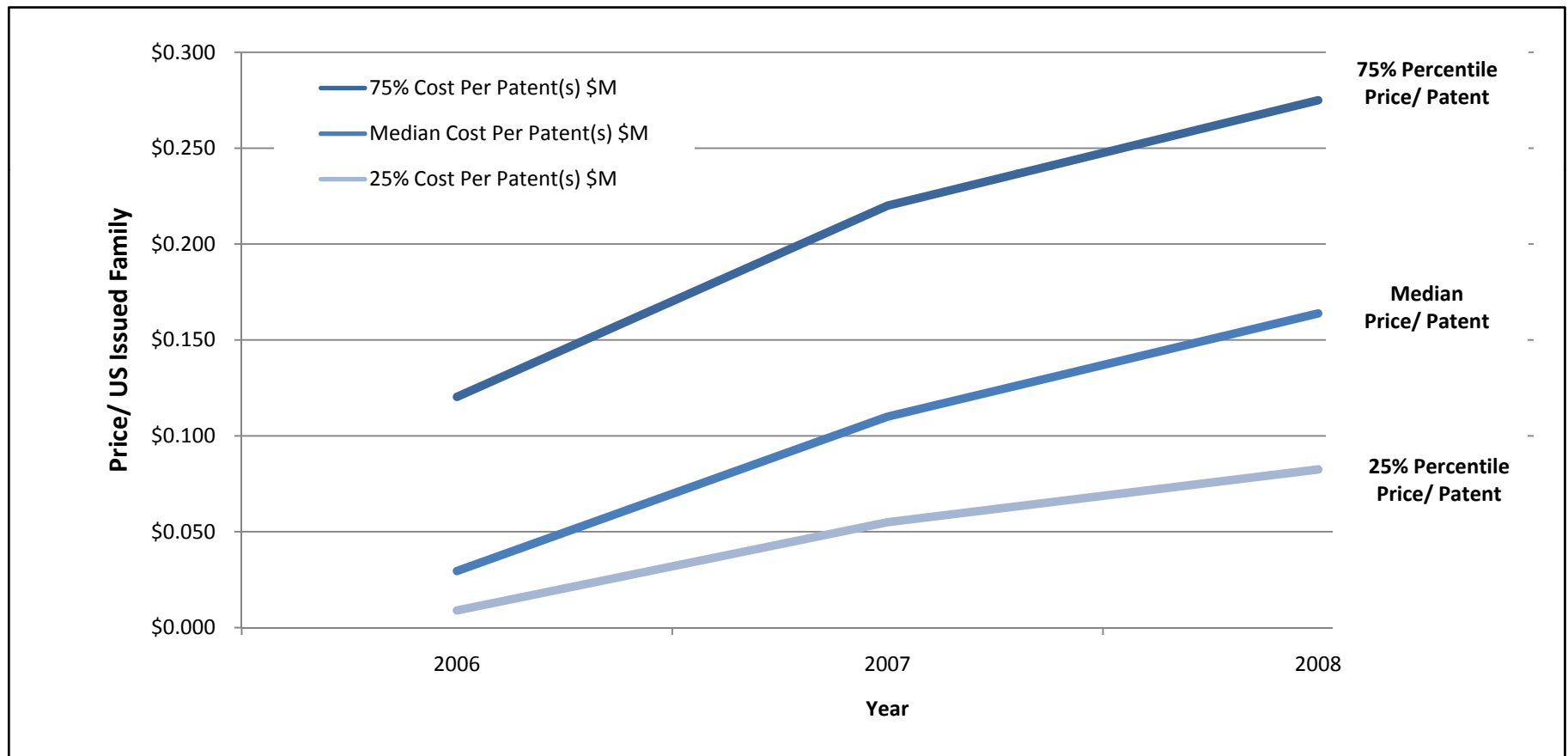
Recall that these statistics describe the mean and median for ALL KNOWN CLOSED TRANSACTIONS



For best results, we should understand how our planned transaction(s) fit into the set

Price levels have risen year over year

– Increasing Price Levels: 2006-2008 –



A simple statistical analysis of the transactions contained in the database finds the following distribution of prices

— Valuation Implications/ Family —

Percentile	Overall Price / Family (M USD)
90%	\$0.681
80%	\$0.330
70%	\$0.250
60%	\$0.192
50%	\$0.164
40%	\$0.110
30%	\$0.110
20%	\$0.064
10%	\$0.041

Source: ThinkFire Analysis

These figures can be used as multiples:

- Measure of **relative valuation** to an underlying financial asset
- Allows for **relative comparisons**

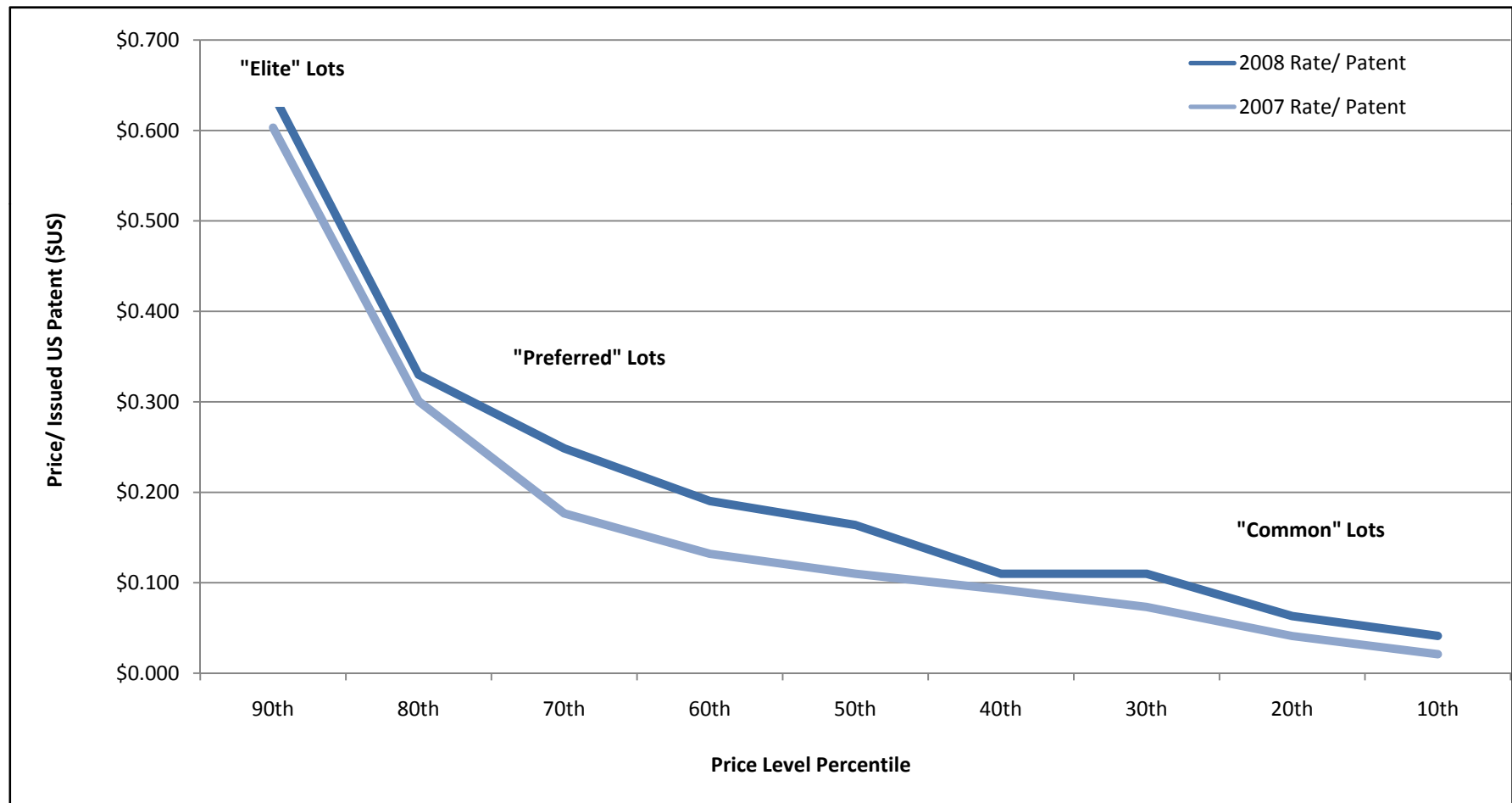


We can attempt to compare any specific transaction(s) vs. the overall set of closed transactions

- Type of technology
- Size of relevant markets
- Etc.

We can see that price levels rose year-over-year across the board, with the largest increase among the “preferred” lots

– 2008: Rising Prices Across the Board –



– *Agenda* –

- Gathering Comps: A Simple Study of Patent Brokerage Pricing Levels, 2002-2008
- ***Applications for the Findings***
- Trends Moving Forward
- Questions

Those engaged in the divestiture or acquisition of patents require improved guidance in evaluating bids and asks, and in budgeting for acquisition and forecasting divestitures

– The Challenge –

- What is an **appropriate price** for a particular patent lot we are selling?
- What is an **appropriate bid** for a particular patent lot we are selling?
- How much should we **budget for a set of acquisitions**?
- How do we **forecast sales for our divestiture business**?

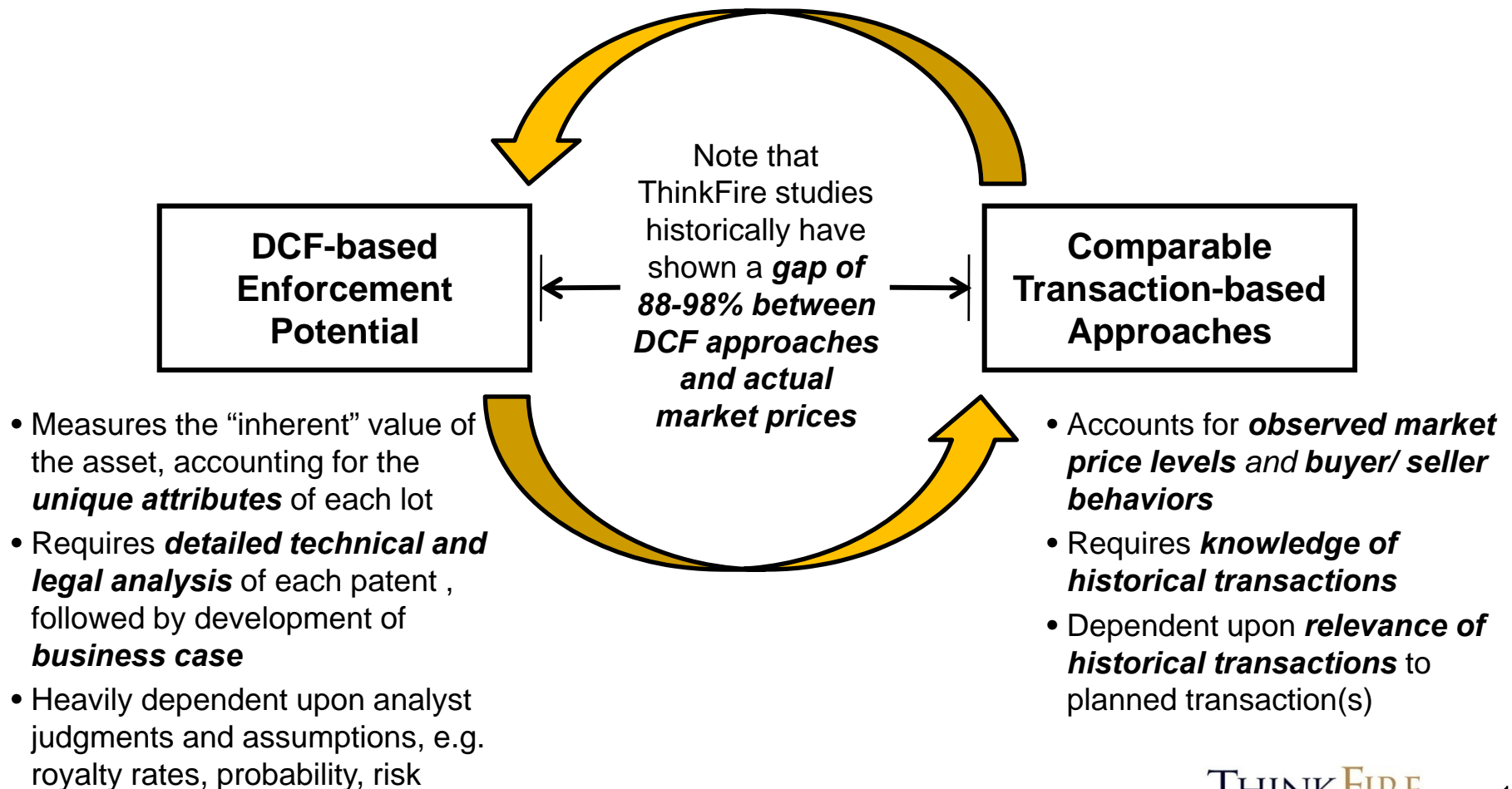


There is a need for guidance in addition to or beyond that provided by typical valuation models based upon Discounted Cash Flow (DCF) analysis

- Helpful in **grounding DCF models in “reality”** to better triangulate on target prices
- Useful in **assessing entire acquisition or divestiture businesses** before detailed analysis of individual patents and DCF are possible

Comparables are NOT a substitute for DCF, but rather a complement when both are available, and an alternative option when DCF is not practical

– DCF and Comparables- Perhaps the 2 Most Popular Valuation Techniques –



To successfully use comparables analysis as part of a valuation methodology, one must have an appropriate set of transaction data upon which to build

– The Process –

1. Determine comparable transaction **attributes**:
 - Intrinsic attributes: Technology, related products/ services
 - Formal attributes: Quantity, foreign filings, type of asset(s)
 - Market attributes: Timing, Supply/ demand in the marketplace, circumstances of relevant buyers/ sellers, payment specifications, timing
2. Collect transaction data with relevant attributes
3. Analyze transaction data to select comparable transactions
 - **Normalize** for items not expected to be part of the normal course of business
 - An art not a science- use **judgment**
4. Use selected comparables to **derive implied valuation** range

To successfully use comparables analysis as part of a valuation methodology, one must have an appropriate set of transaction data upon which to build

– *The Data* –

- To use *individual deal comparables*:
 - **A few** sufficiently comparable individual transactions
 - A **sufficient understanding of the circumstances** involved in each comparable
- To use *aggregate deal comparables*:
 - A **database** containing a significant quantity of individual transactions
 - An understanding of **how your transaction(s) relate** to those in the database



With these ingredients, one can then consider how one's planned transaction(s) fit into the context of the candidate comparable transactions

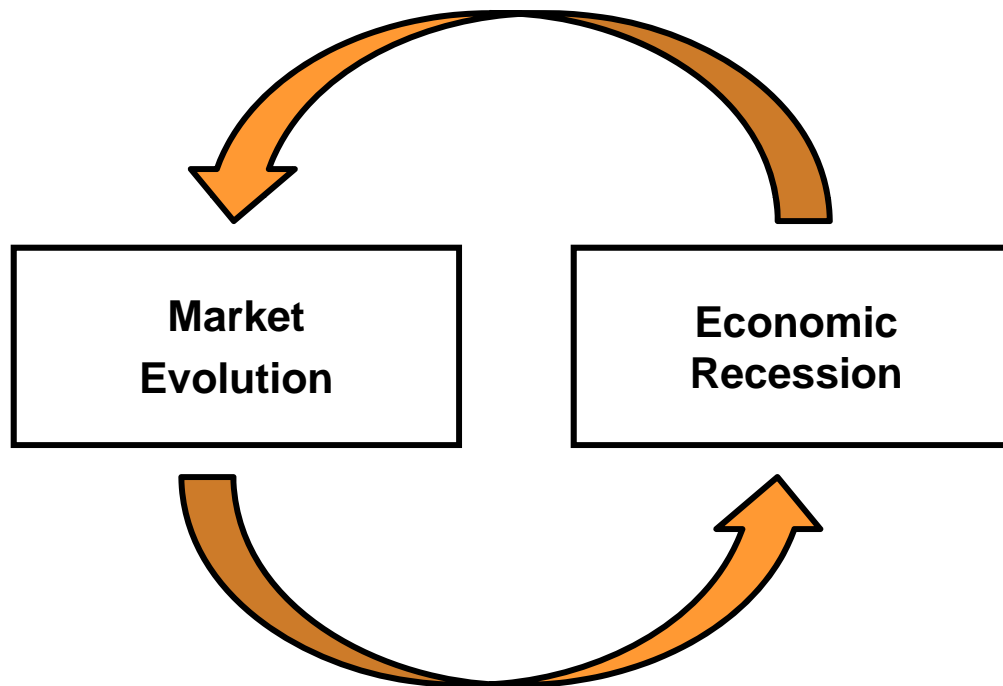
- **How is your deal(s) similar** to the candidates?
 - **How is your deal(s) different?**

– *Agenda* –

- Gathering Comps: A Simple Study of Patent Brokerage Pricing Levels, 2002-2008
- Applications for the Findings
- ***Trends Moving Forward***
- Questions

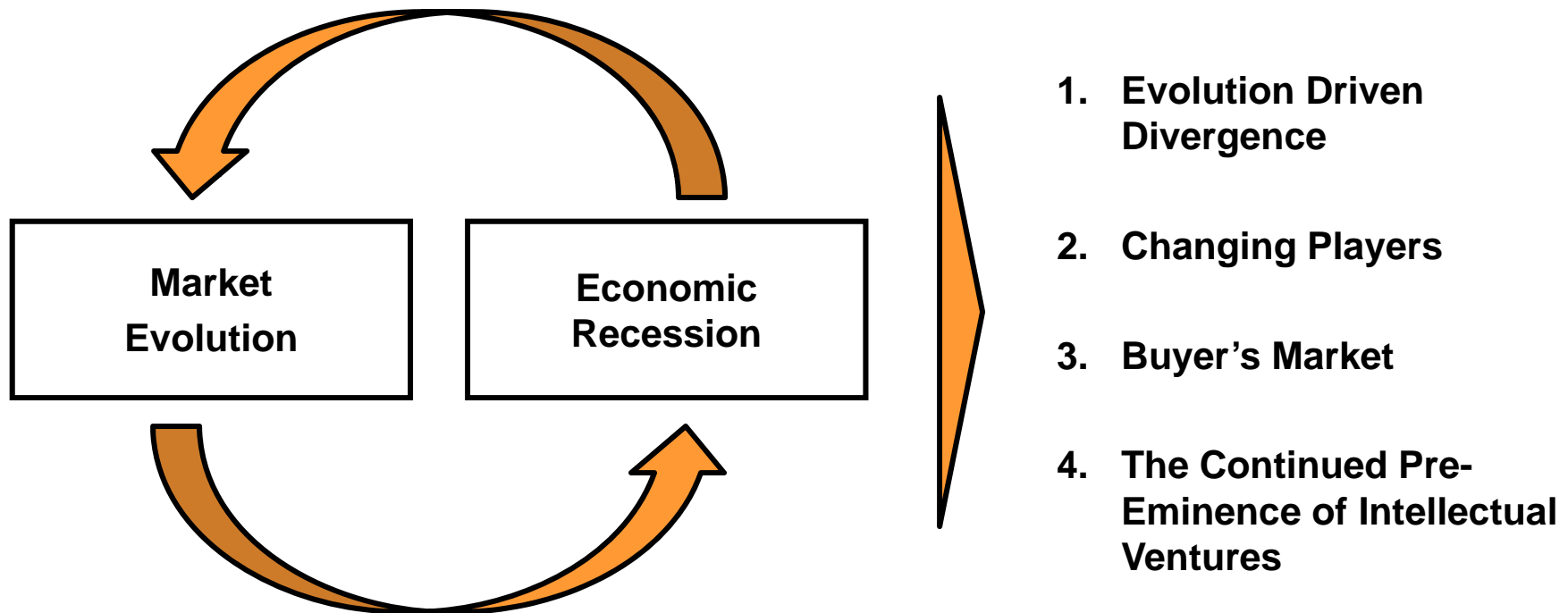
We see two dynamics driving the future of the patent transaction market

– Two Key Dynamics –



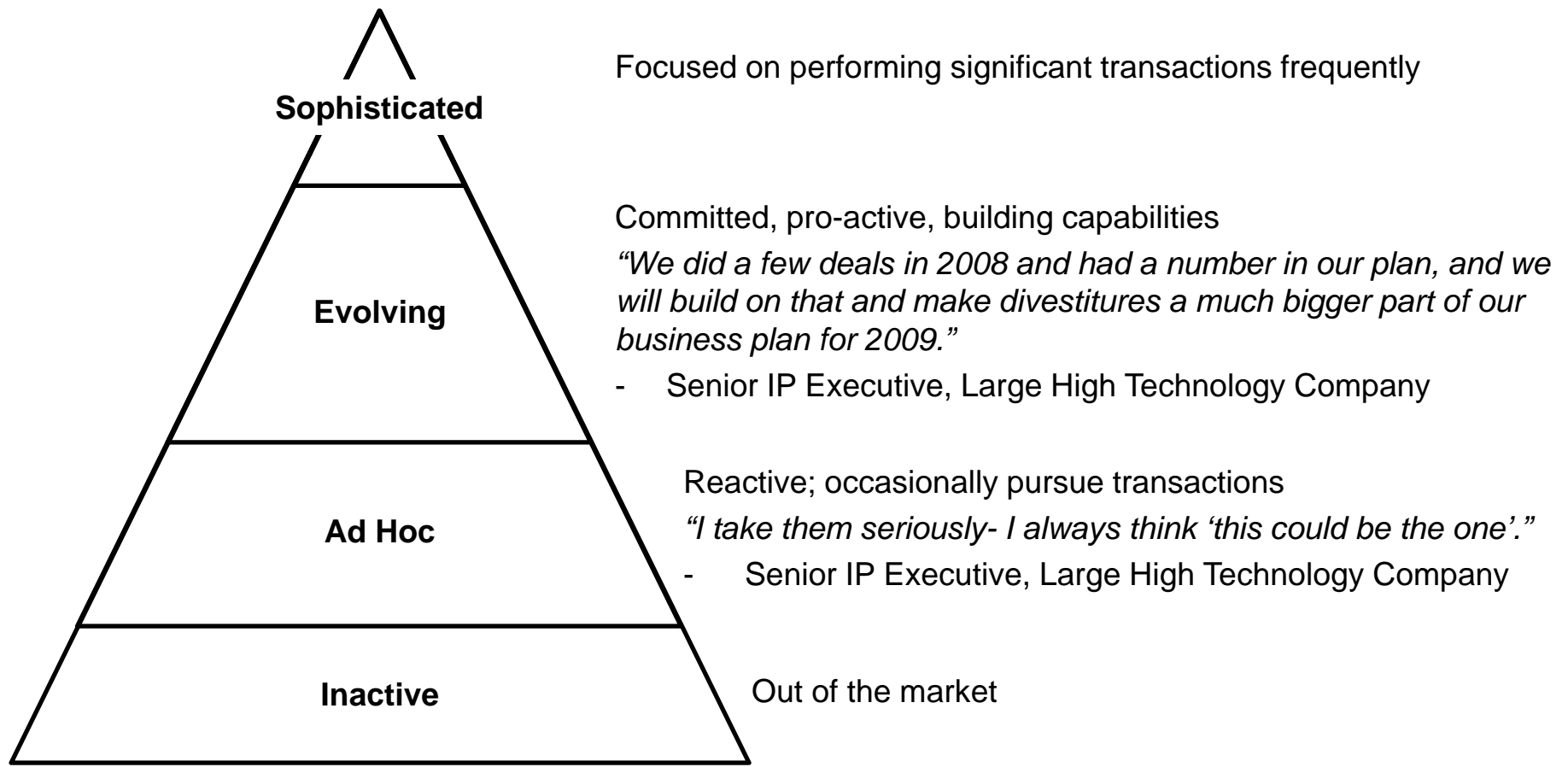
These two dynamics drive four key trends going forward

– Four Key Trends Going Forward –



We see the industry players separating into four classes based upon differing levels of sophistication

– Diverging Types of Firms –



Moving forward, firms must weigh “build vs. buy” options

– *Build vs. Buy* –

**How Will You Leverage
the Market?**

- Acquisitions
- Divestitures

**Are Potential Partners
Available?**

- Aligned with your objectives?
- Appropriate capabilities?
- Viable economics?

Build vs. Buy?

– *Agenda* –

- A Simple Study of Patent Brokerage Pricing Levels, 2002-2008
- Applications for the Findings
- Trends Moving Forward

- ***Questions***

– Please Feel Free to Contact Us With Any Questions –

THINKFIRE

Lew Zaretzki

Executive Vice President

Warren, New Jersey, USA

Office: (908) 991-9011

Email: lzaretzki@thinkfire.com