Building an IP Pyramid impervious to competitive advancement 13th Annual Biotechnology Entrepreneurship Boot Camp

Raymond A. Miller millerra@pepperlaw.com

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Having a patent can cause false confidence

- A patent excludes others from replicating an approach
- A patent (approach) may not create an exclusive market position
- True exclusivity is creating a position impervious to competitive advancement
- A patent's ultimate value is exclusivity to a market position
- The extent of exclusivity determines if you own the category or a segment within a category



James F. Jordan The Concept

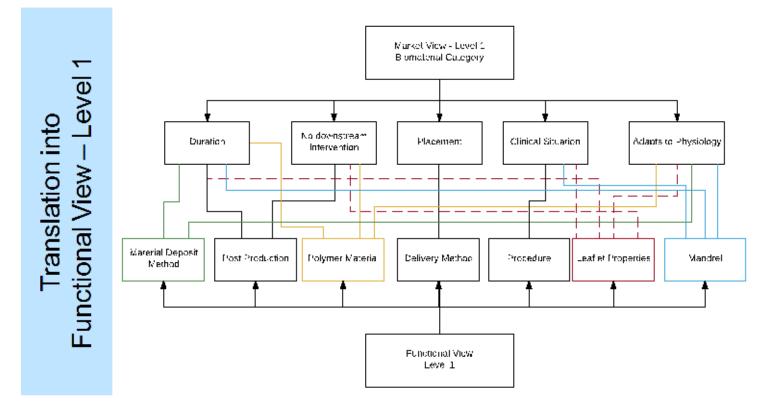


An Intellectual Property Pyramid[™] affirms confidence

- The goal of the Intellectual Property Pyramid (IPP) is to understand the exclusivity a patent provides matched with the desired result of the product's market positioning
- What you are trying to understand is the reason the patent exists (the problem it's solving) and then ask yourself if your patent is the only path to achieving that goal
- Being enamored with a particular technical approach can inhibit technologists and marketers from working together to create the broadest market protection possible



The promise must be converted to function





Bring creditability to your investor pitch

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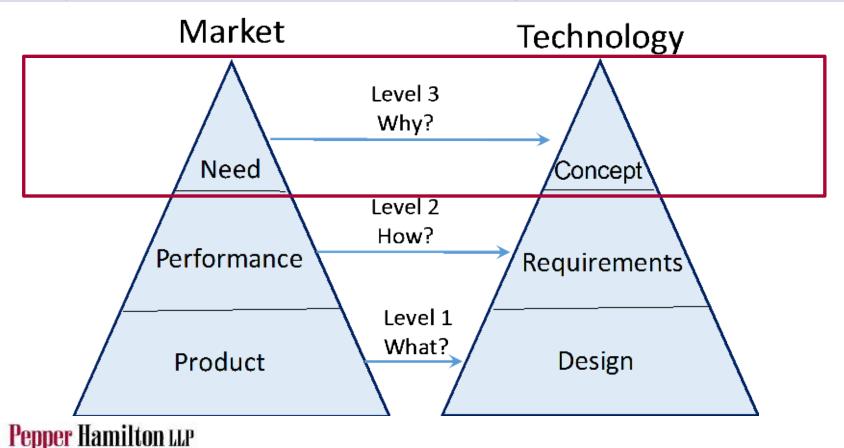
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External

Raymond A. Miller The Execution



Align market need & technology concept



Common Problems with IP development

Lack of market alignment

- Product elements not mapped to market needs and requirements



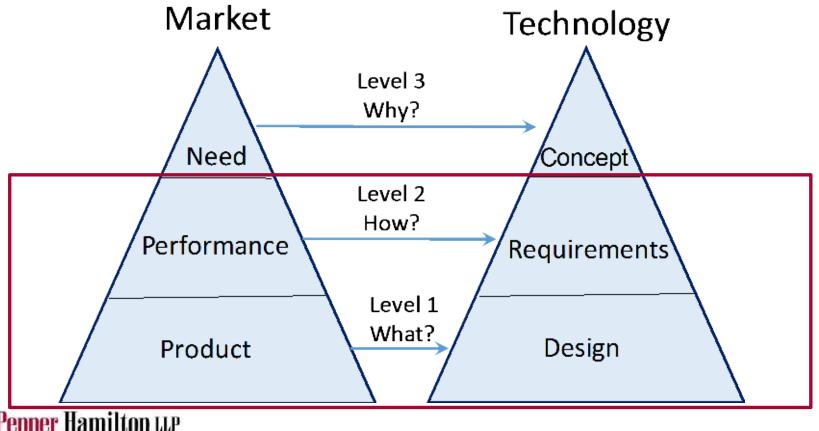
Common Problems & Missed with IP development

IP Inventory unknown or not mapped out

- Company unaware of complete picture of IP portfolio
- Lack of recognition for other forms of IP (trademarks, copyrights, trade secrets)
- No mapping and inventory procedures in place
- IP is often most significant component of valuation for start ups and development stage companies



How to go avoid or leverage product drift



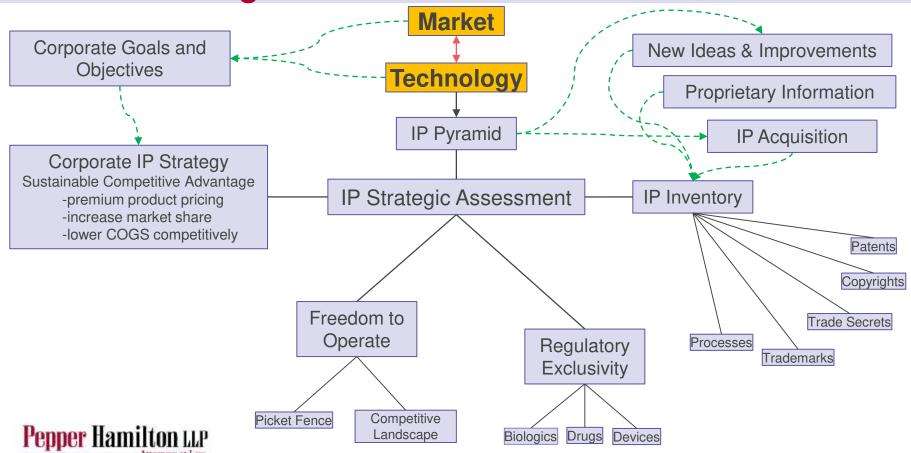
Attorneys at 1

Problems & Missed Opportunity with IP development

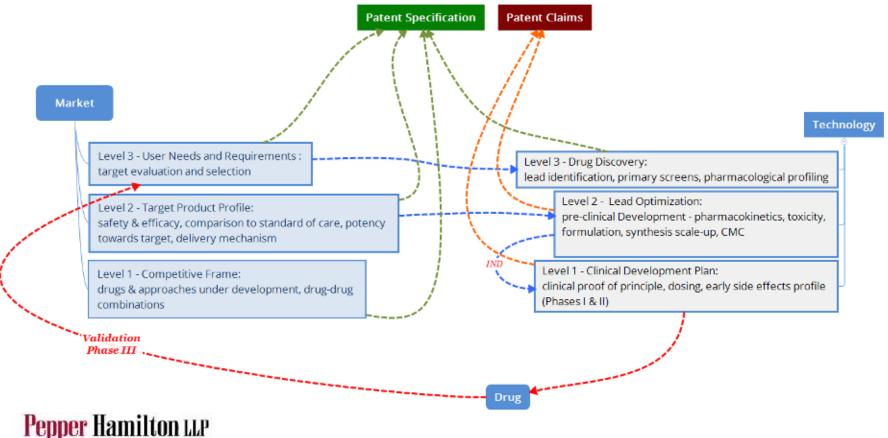
- Product drift during development and claim mapping – commonly bad, sometimes good
 - Patent claims does not track product evolution and final product
 - Freedom to operate (FTO) often over emphasized because of product drift
 - Product elements not mapped to patent claims resulting in patents that don't cover products
 - Or a great drift idea does not flow back up into a patent claim



The IP Strategic Assessment

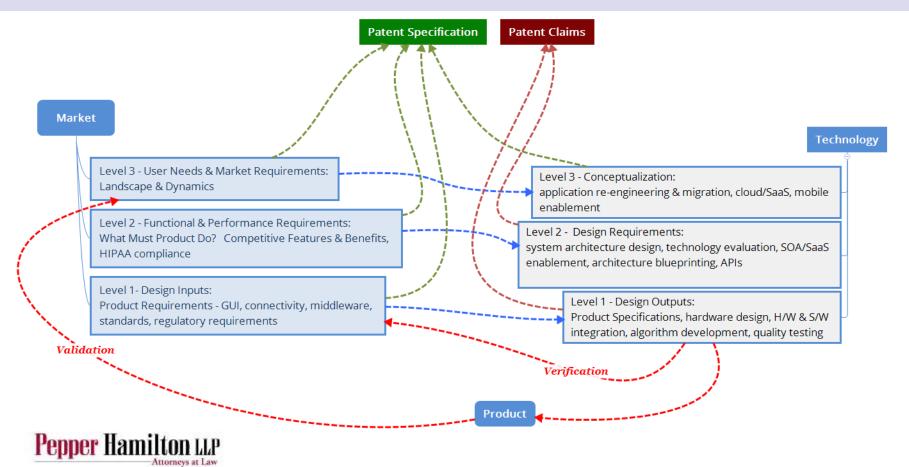


IP Pyramid – Drugs & Biologics



Attorneys at Lay

Each Level Provides Valuable Actionable Information



Potentially "Counter-Intuitive" IP Thinking

- IP should not drive therapy but therapy should be tracked in the patent claims
- Regulatory Exclusivity without <u>any</u> patent coverage <u>does</u> provide an opportunity for ROI
- Patent Term Extension (PTE) for time in clinical trials while patent is issued
- Freedom to Operate is often over-emphasized
- Grant of a patent should be viewed as a milestone, not a golden ticket –vigilance is needed



Every Product Has a Story

- Traditional views of having a simple COM patent with a 14 year life upon launch is very rare (e.g. statins)
- Don't be afraid to challenge FDA (e.g. Amarin's redefined NCE)
- FTO risk worth taking in HepC market for Pharmasset / Gilead's Sovaldi[®]
- A drug / device PTE permitted sufficient time for ROI for ProGEL®
- A "failed" clinical trial provided opportunity for Acorda to capture IP on walking speed and bolster Ampyra®.





Combining a wide-angle perspective with close attention to detail, Pepper Hamilton provides a gilt-edged patent prosecution service – especially in the life sciences, where it has in-depth industry insight. The Pennsylvania squad also excels on tech-related agreements; it has handled many rounds of private financing for innovators."

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Raymond A. Miller millerra@pepperlaw.com

