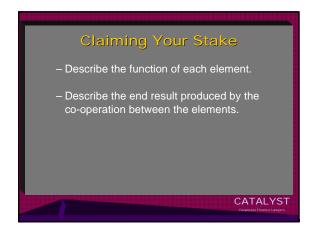
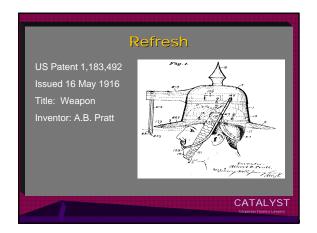
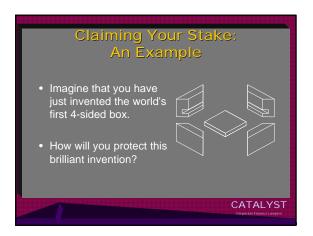
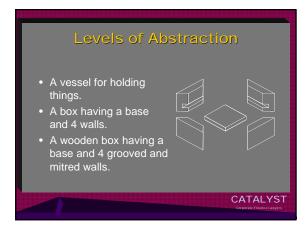


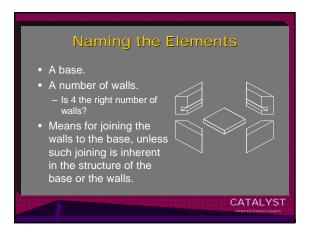
Claiming Your Stake Describe ("limit") each of the identified elements. Limitations necessarily inherent in an element need not be explicitly introduced. For example, a square necessarily has 4 equal sides. Describe the relationships between the elements.

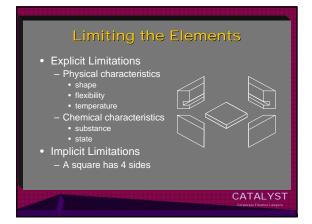


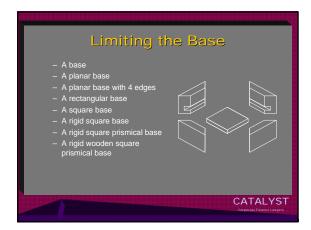


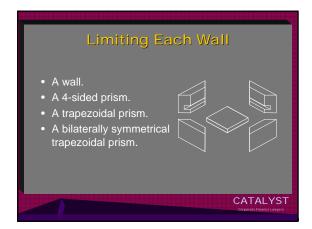


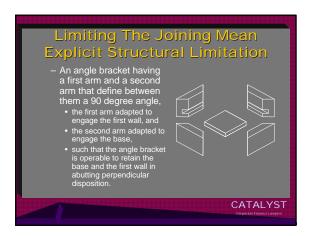


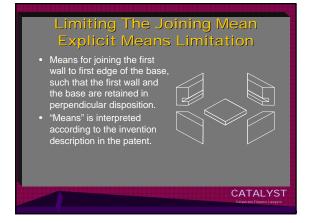


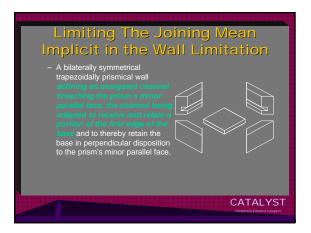




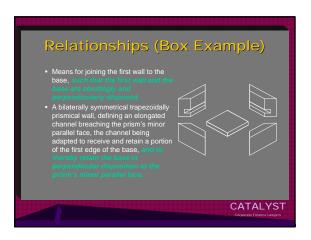




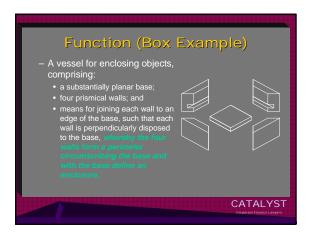


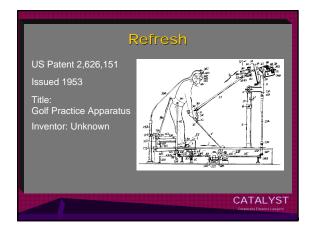


Relationships (Basic Concepts) Relationships help to indicate that you have invented a patentable combination, not an unpatentable aggregation. Relationships make claims easier to understand. Concrete, structural relationships are less vulnerable to attack or misinterpretation. Relationships should be completely defined with reference to the claimed elements; claims should be freestanding.



Function (Basic Concepts) - Function makes your claims easier to understand. - Function must be supported by the structure you ascribe to the elements and relationships. - You can't claim results. Your claim will fail if you vaguely describe element or relationship structure, relying on function in place of structure. - State the purpose of the invention or an element? - Explain the invention's or an element's structure.



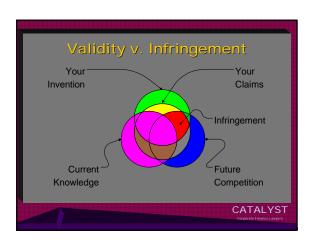


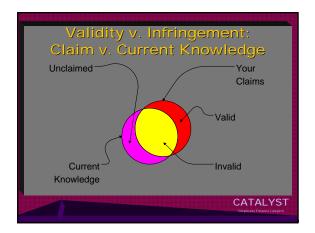
Validity • A patent claim is valid if: - it defines something that is new and inventive compared to the current body of knowledge, - But without describing any embodiment of the current body of knowledge. CATALYST

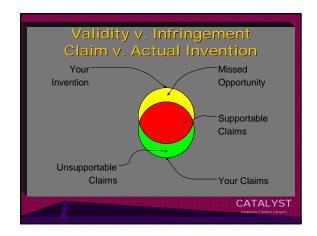
Infringement A product infringes a patent claim if the product includes all of the elements set forth in the claim. If a product includes all but one of the claimed elements, it will not infringe the claim. If a product includes all of the claimed elements plus additional inventive or non-inventive elements, the product will still infringe the claim.

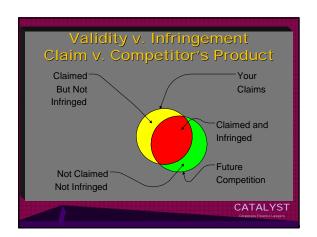
Validity v. Infringement Patenting is a waste of time and money unless you have clear answers to the following two business questions: • Validity - What precisely have we invented? • What aspects of our invention do we want to prevent others from using without our permission? • What aspects of our invention are strategic for our company? • What aspects of our invention will the marketplace deem valuable. CATALYST

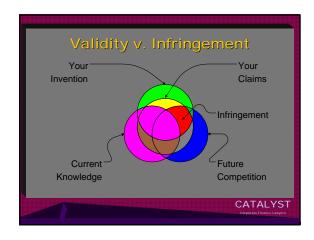
A broad claim: is more likely to capture competing products as infringements, but is also more likely to be ruled invalid as capturing existing technology within its scope. A narrow claim: is less likely to capture competing products as infringements, but is also more likely to be ruled invalid as capturing existing technology within it scope.

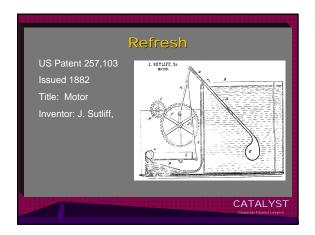


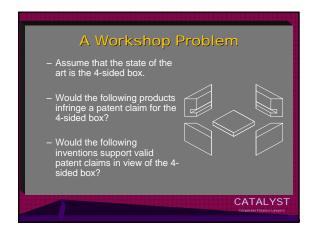


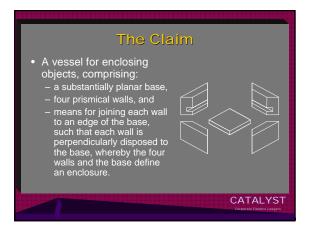


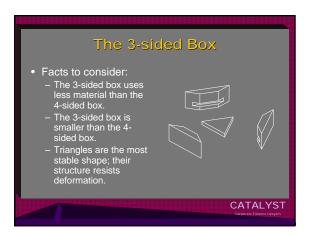


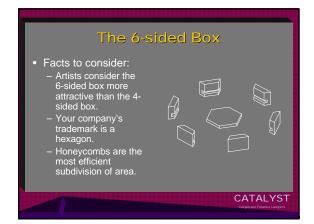


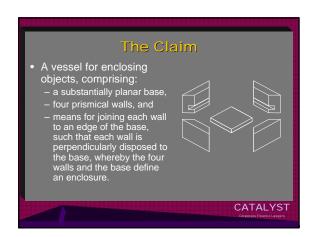


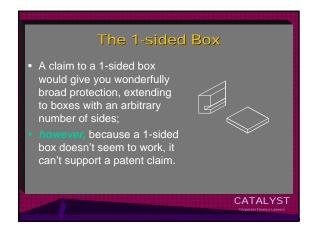


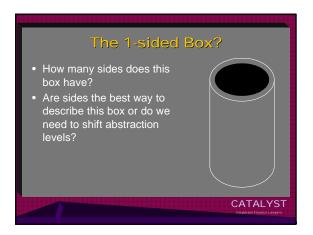












- Include a range of broad and narrow claims, some favouring infringement, some favouring validity.
- Claim the invention as your competitors will sell it, not as your customers will use it.
 - For example, don't claim batteries or extension

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- Claim the invention to maximize the royalty base.
 - For example, include expensive elements in some of the claims.

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- File families of patents instead of stretching one patent too thin.
 - A family of narrow patents can work like a wall or a minefield, keeping competitors out of your market.
 - You can litigate one patent in the family without putting the rest of the patents at risk of invalidity.
 - You can more easily subdivide licensees.

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US Patent 35,600 Issued 1862 Title: Combined Plow & Gun Inventor: Unknown **CATALYST**

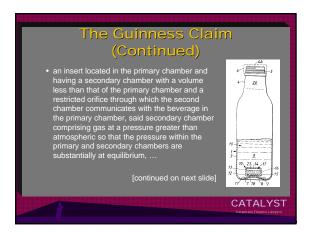
- Draft Beer
 - Beer connoisseurs appreciate the head found on a
 - draft beer.

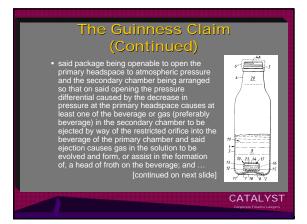
 The head is created by the draft serving equipment.
 - A pressurized dispensing line drives gas through the beer to force it from the keg, thereby liberating some of the gas suspended in the beer.
 Neither a can nor a bottle dispense beer with the same quality of head.

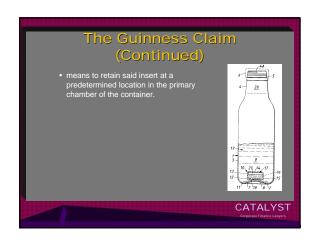
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atmospheric. The chamber 17 hills with beef 16 until the chamber 17 headspace 21 balances the bottle 1 headspace 20. When the bottle 1 is opened, the headspace 20 disappears, and the pressure differential causes beer 16 and gas to be expelled from the chamber 17, which encourages the surrounding beer 19 in the bottle 1 to release suspended gas. **CATALYST**



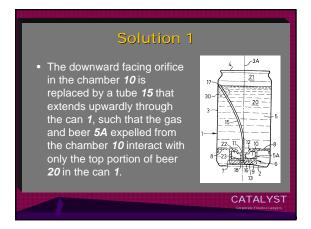


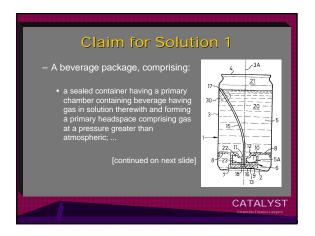


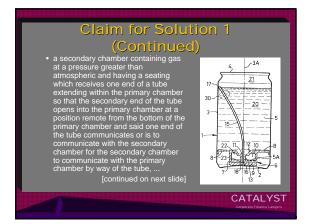


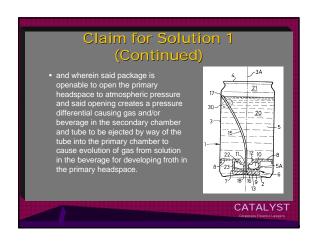
The Problem The new insert works well with regular beer but works too well with lighter beer. Beer and gas expelled from the chamber at the bottom of the container liberate gas from the surrounding light beer. This liberation cases a chain reaction, and so much gas is liberated that a flat beer with a great head is dispensed.

The Task • Improve the packaging for use with light beer. CATALYST





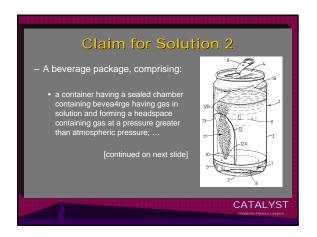


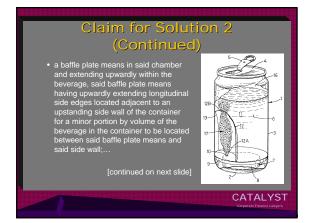


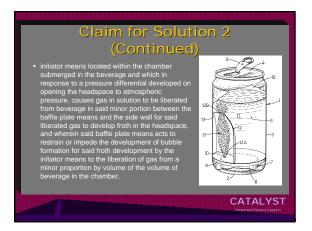
Solution 2

• The hollow insert 7 includes a baffle 12 adjacent the wall of the can 1. The beer 11 and gas expelled from the insert 7 flow upward between the baffle 12 and the can 1 wall, isolated from most of the beer 11 until the top portion of the can 1 is reached.

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Other Potential Solutions Optimize the can for shaking Add a grip Make it overflow resistant Optimize the can for pouring from a height Include a straw with the can so that a user can blow bubbles into the can Include a floating fizzy tablet for dropping into the can



Workshop Goals • After this workshop, you will be familiar with: — the basic form of patent claims, — the patent concepts of "infringement" and "validity", and — the basic strategies that guide patent claim drafting.

Basic Patent Strategies

An Interactive Workshop

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