

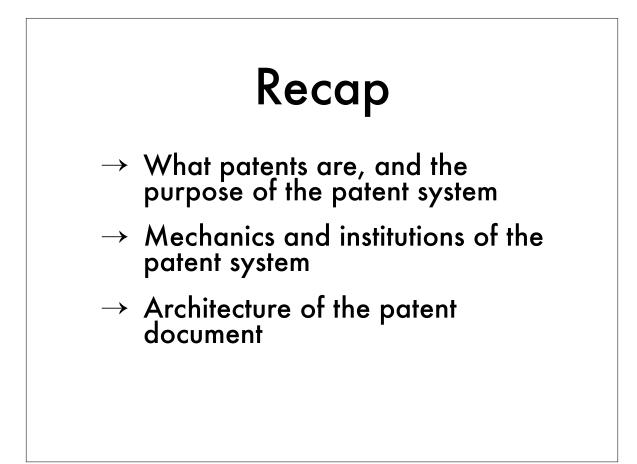
Prof. Roger Ford January 25, 2016 Class 2: A (Very Brief) Introduction to Claim Drafting

Today's agenda

 \rightarrow Recap

- → Mechanics and formalities of patent claims
- \rightarrow Claim strategy
- \rightarrow Claim-drafting exercise





We claim:

1. A method of placing an order for an item comprising: under control of a client system,

displaying information identifying the item; and

in response to only a single action being performed, sending a request to order the item along with an identifier of a purchaser of the item to a server system;

under control of a single-action ordering component of the server system,

receiving the request;

retrieving additional information previously stored for the purchaser identified by the identifier in the received request; and

generating an order to purchase the requested item for the purchaser identified by the identifier in the received request using the retrieved additional information; and fulfilling the generated order to complete purchase of the

fulfilling the generated order to complete purchase of the item

whereby the item is ordered without using a shopping cart ordering model.

We claim: 1. A method of placing an order for an item comprising:	Preamble
under control of a client system,	
displaying information identifying the item; and	
in response to only a single action being performed,	
sending a request to order the item along with an	
identifier of a purchaser of the item to a server	
system;	
under control of a single-action ordering component of	
the server system,	
receiving the request;	
retrieving additional information previously stored for	
the purchaser identified by the identifier in the	
received request; and	
generating an order to purchase the requested item for the	
purchaser identified by the identifier in the received	
request using the retrieved additional information; and	
fulfilling the generated order to complete purchase of the	
item	
whereby the item is ordered without using a shopping cart	
ordering model.	

We claim: 1. A method of placing an order for an item comprising:	Preamble
under control of a client system, displaying information identifying the item; and in response to only a single action being performed, sending a request to order the item along with an identifier of a purchaser of the item to a server	Transition
system; under control of a single-action ordering component of	
the server system, receiving the request; retrieving additional information previously stored for	
the purchaser identified by the identifier in the received request; and generating an order to purchase the requested item for the	
purchaser identified by the identifier in the received request using the retrieved additional information; and	
fulfilling the generated order to complete purchase of the item whereby the item is ordered without using a shopping cart	
ordering model.	

We claim: 1. A method of placing an order for an item comprising: under control of a client system,	Preamble
displaying information identifying the item; and	Transition
in response to only a single action being performed, sending a request to order the item along with an identifier of a purchaser of the item to a server system;	Body
under control of a single-action ordering component of	
the server system,	
receiving the request;	
retrieving additional information previously stored for the purchaser identified by the identifier in the received request; and	
generating an order to purchase the requested item for the purchaser identified by the identifier in the received request using the retrieved additional information; and	
fulfilling the generated order to complete purchase of the item	
whereby the item is ordered without using a shopping cart ordering model.	

1. uno	e claim: A method of placing an order for an item comprising: der control of a client system, displaying information identifying the item; and in response to only a single action being performed, sending a request to order the item along with an identifier of a purchaser of the item to a server	Preamble Transition Body
un ge	 information includes displaying information indicating single action. 3. The method of claim 1 wherein the single action clicking a button. 4. The method of claim 1 wherein the single action speaking of a sound. 5. The method of claim 1 wherein a user of the classifier system does not need to explicitly identify themselves were set of the source of the system does not need to explicitly identify themselves were set. 	, the on is on is lient
i wh	placing an order. In this the generated order to complete purchase of the item hereby the item is ordered without using a shopping cart ordering model.	Dependent claims

United States Patent [19] Coffin, Sr.	^[1] Pat 1. A recyclable, insulating beverage container holder
[54] RECYCLABLE CORRUGATED BEVERAGE CONTAINER AND HOLDER	comprising a corrugated tubular member comprising cellulosic material and at least a first opening therein fo
 [75] Inventor: David W. Coffin, Sr., Fayetteville, N.Y. [73] Assignce: Design By Us Company, 	receiving and retaining a beverage container, said con
Philadelphia, Pa. [21] Appl. No.: 854,425 [22] Filed: Mar. 19, 1992	rugated tubular member comprising fluting means fo
[51] Int. Cl. ³ B65D 3/28 [52] U.S. Cl. 229/1.5 B; 206/813; 220/441; 220/DIG. 30; 229/1.5 H; 229/DIG. 2493/296; 493/907	containing insulating air; said fluting means comprisin
[58] Field of Search	John Wiley & S Princery Examineration Concerned Barrier Concerned Barrier Concerned Barrier Concerned Barrier Concerned Barrier Anoropa, Agencia
[56] References Cited U.S. PATENT DOCUMENTS	fluting adhesively attached to a liner with a recyclabl
1,732,322 10/1929 Wilson et al. 220/DIG.30 1,771,765 7/1930 Benson 229/4.5 2,266,828 12/1941 Sykes 229/1.5 B 2,300,473 11/1942 Winkle 229/4.5 2,501,815 3/1950 Hamm .	employ reveals tures for constant and the solver of the solution of the solu
2,617,549 11/1952 Egger . 2,641,402 6/1953 Bruun	18 Claims, 8 Drawing Sheets
	4. The holder of claim 1, wherein said tubular mem
	ber comprises at least two pivot axes for permitting said
and a feature	tubular member to fold into a flattened condition.
	5. The holder of claim 1, wherein a surface of said
	liner is coated with a water-resisting agent.
	6. The holder of claim 1, wherein said fluting com
	prises sinuous fluting.
	8. A recyclable collapsible beverage container holde
	en e

<section-header><section-header><section-header><section-header>

\rightarrow Preamble

- Identifies kind of invention
- Usually not read to limit claim scope, but can be, so don't be too clever

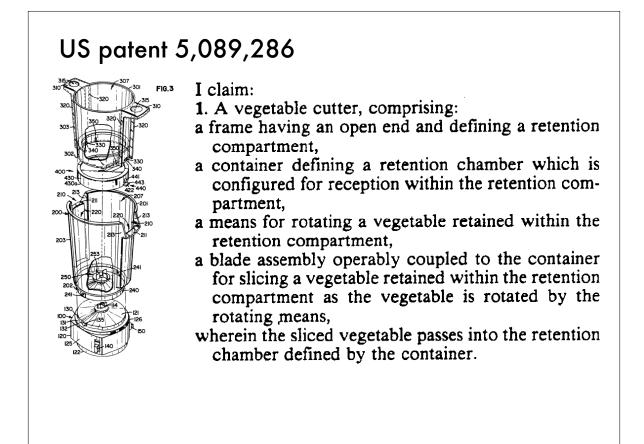
Mechanics and formalities of claims

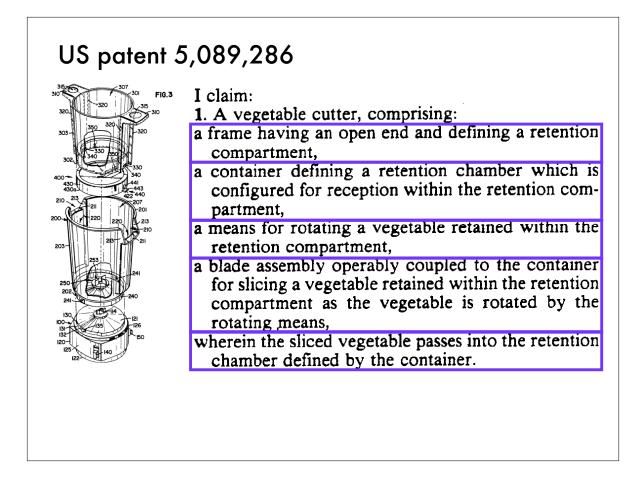
\rightarrow Transition

- "Comprising": must include <u>at least</u> the listed elements
- "Consisting of": must contain <u>only</u> the listed elements
- "Consisting essentially of": must contain only the listed elements and others that do not substantially change the invention

\rightarrow Body

- List of elements
- Explanation of how the elements relate
- Single sentence
- Clear internal references

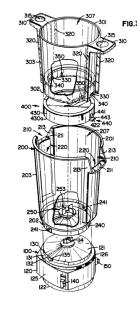




→ All-Elements Rule:

• To infringe, the defendant's product or process must include every element of a single patent claim, either literally or through the doctrine of equivalents

US patent 5,089,286



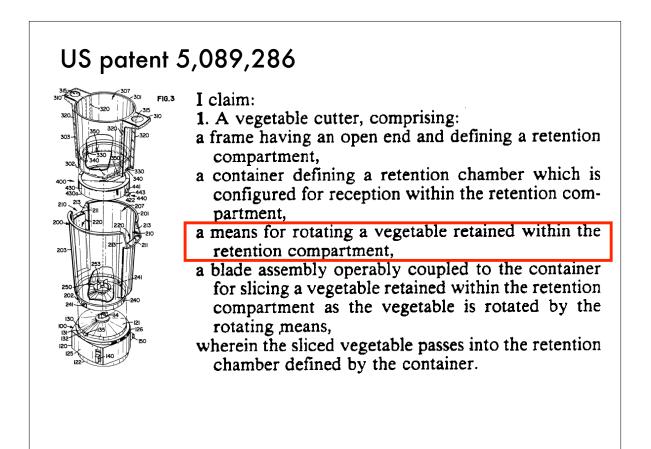
I claim:

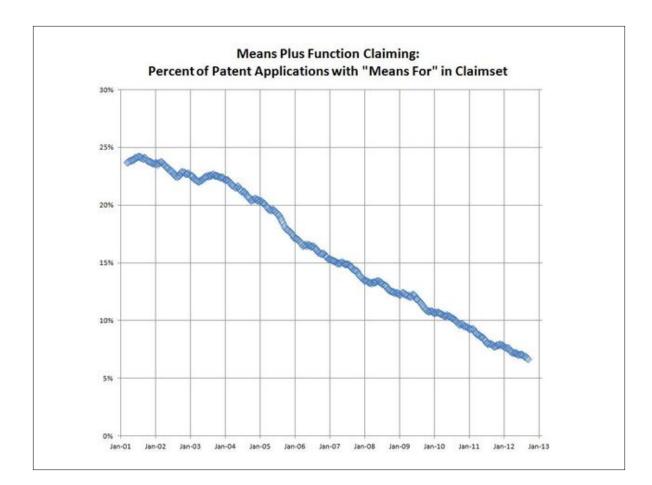
- 1. A vegetable cutter, comprising:
- a frame having an open end and defining a retention compartment,
- a container defining a retention chamber which is configured for reception within the retention compartment,
- a means for rotating a vegetable retained within the retention compartment,
- a blade assembly operably coupled to the container for slicing a vegetable retained within the retention compartment as the vegetable is rotated by the rotating means,
- wherein the sliced vegetable passes into the retention chamber defined by the container.

US patent 5,089,286 I claim: 1. A vegetable cutter, comprising: a frame having an open end and defining a retention compartment, a container defining a retention chamber which is configured for reception within the retention compartment, a means for rotating a vegetable retained within the retention compartment, a blade assembly operably coupled to the container for slicing a vegetable retained within the retention compartment as the vegetable is rotated by the rotating means, wherein the sliced vegetable passes into the retention chamber defined by the container.

→ Means-plus-function claims – 35 U.S.C. § 112(f):

"An element in a claim for a combination may be expressed as a <u>means or step for performing a</u> <u>specified function without the recital of structure,</u> <u>material, or acts in support thereof</u>, and such claim shall be construed to cover the <u>corresponding</u> <u>structure, material</u>, <u>or acts described in the</u> <u>specification</u> and <u>equivalents</u> thereof."





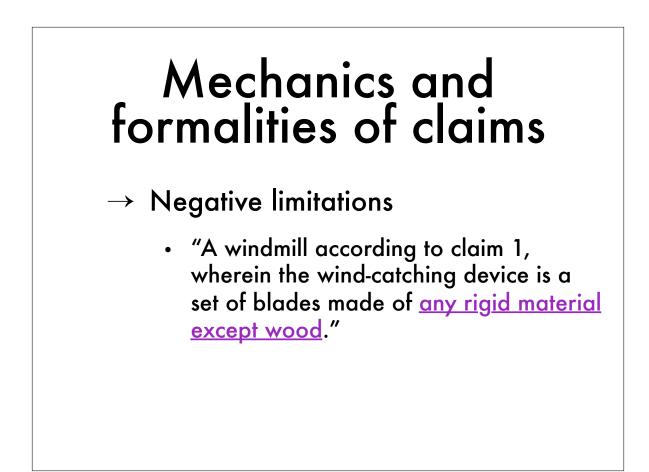
→ Jepson claims – 35 C.F.R. § 1.75(e): Where the nature of the case admits, as in the case of an improvement, any independent claim should contain in the following order: (1) A preamble comprising a general description of all the elements or steps of the claimed combination which are conventional or known, (2) A phrase such as "wherein the improvement comprises," and (3) Those elements, steps, and/or relationships which constitute that portion of the claimed combination which the applicant considers as the new or improved portion.

US patent 4,892,244

6. In a staple cartridge insertable within a surgical stapler and containing staples and comprising an elongated body including one or more longitudinal slots for slidably receiving one or more longitudinal pusher bars comprising a firing mechanism of said surgical stapler, and a plurality of drivers engageable by said pusher bars for ejecting the staples from the cartridge, said staple cartridge releasably fastened to a said surgical stapler, the improvement comprising a lockout mechanism connected to said longitudinal slots for preventing said pusher bars from passing more than one time through said longitudinal slots.

"No patent attorney in their right mind would follow this suggestion. There is no absolute mandate that patent claims to an improvement describe what is known or convention in the preamble. Likewise, there is no absolute mandate that the transition phrase used mentions that the body of the claim relates to an improvement."

-Gene Quinn





Claim strategy

\rightarrow Discussion question:

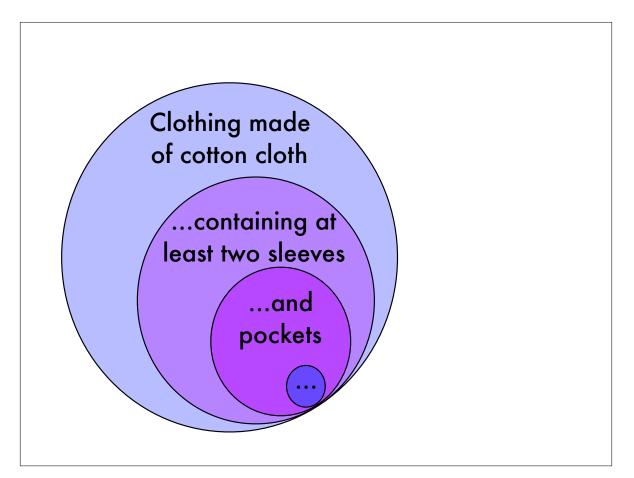
• What are your goals in drafting claims?

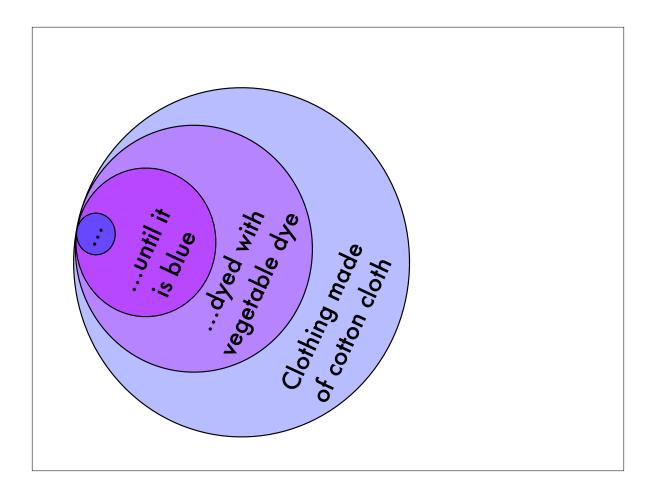
Claim strategy

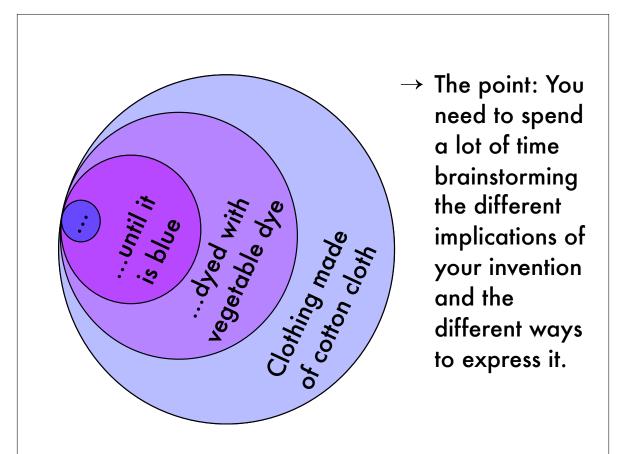
- → Claim-drafting goals:
 - <u>Broadest</u> possible claims
 - But also valid claims
 - Claims covering a <u>variety of</u> <u>configurations</u> of the invention

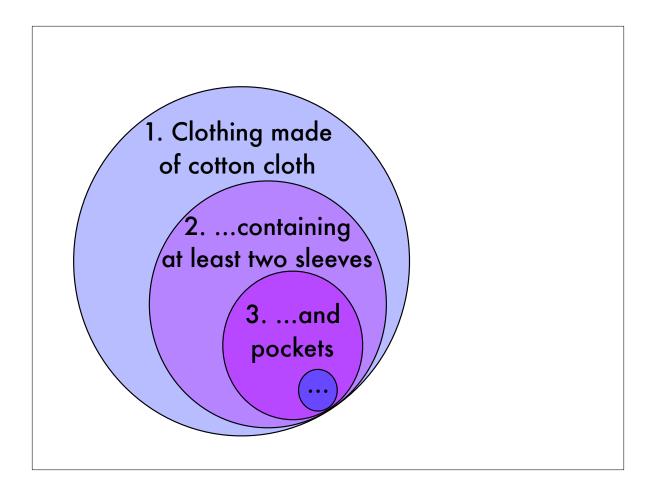
 → Your client's invention:
 a blue cotton shirt with two pockets

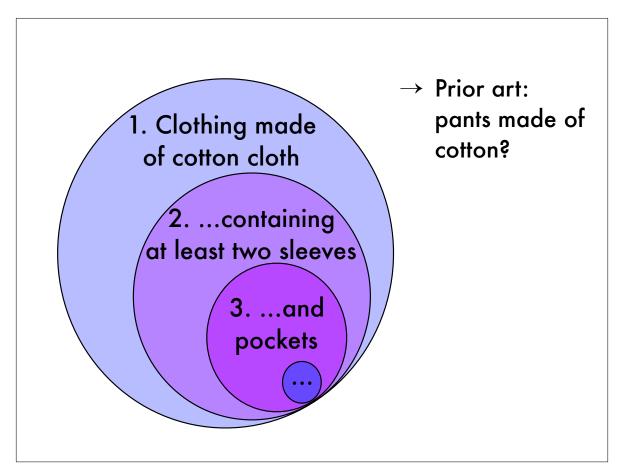


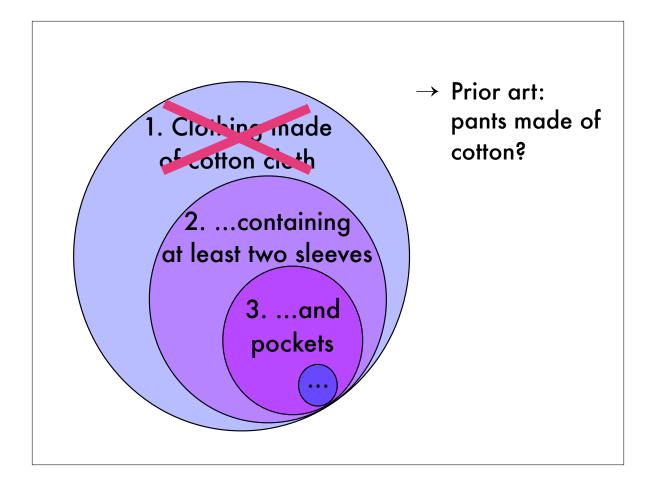


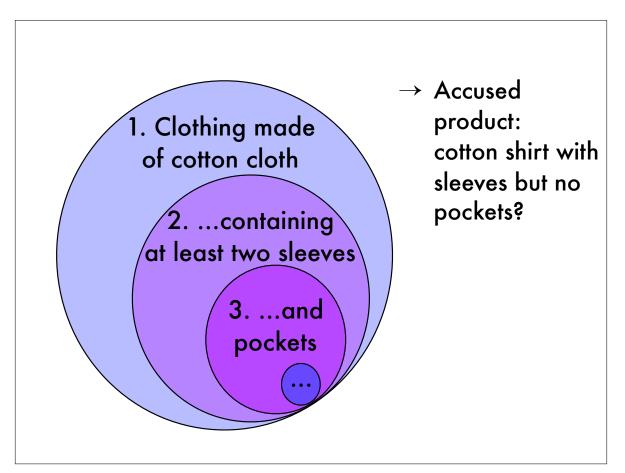


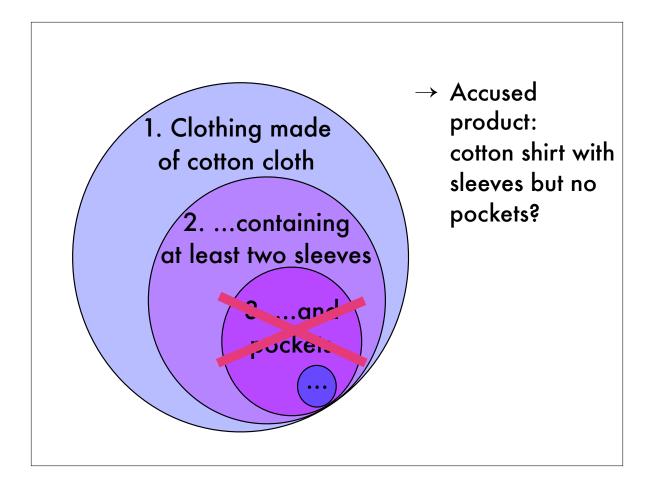


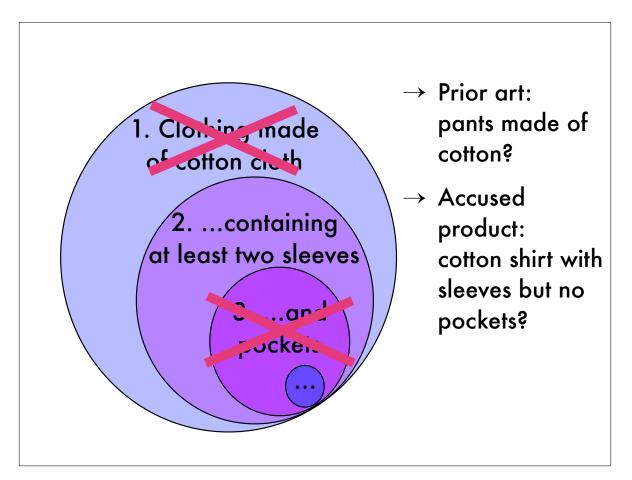




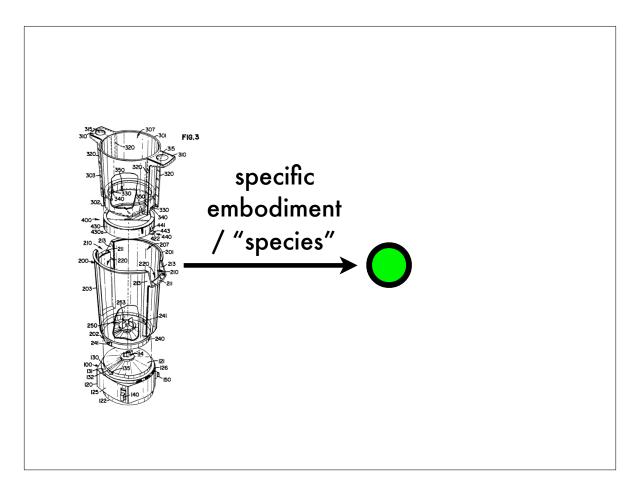


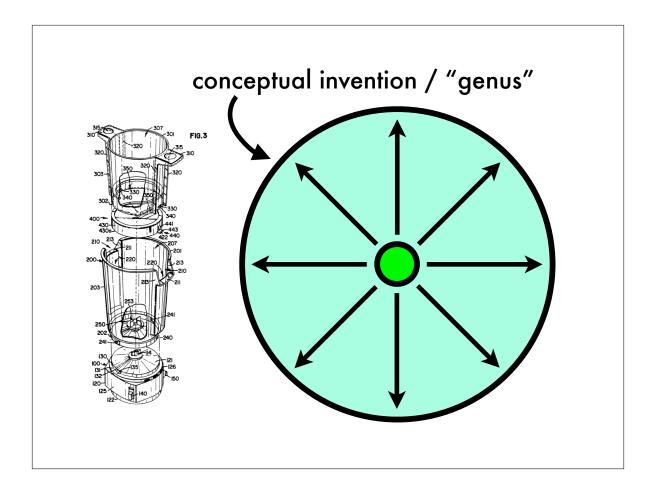














Claim-drafting exercise

\rightarrow Key features of the invention?

- Doesn't tear paper
- Produces dry mark
- Doesn't blot
- Can be erased
- Uses graphite/lead mixture as writing material and wood to hold writing material
- Softer woods hold better

Claim-drafting exercise

- \rightarrow Key features of the invention?
 - Doesn't tear paper
 - Produces dry mark
 - Doesn't blot
 - Can be erased (?)
 - Uses graphite/lead mixture as writing material and wood to hold writing material
 - Softer woods hold better (?)

1. A device for writing, comprising:

a central portion; and

an outer portion, surrounding the central portion.

2. The device of claim 1, wherein the central portion is made of graphite.

3. The device of claim 1, wherein the central portion is made of lead.

4. The device of claim 1, wherein the central portion is made of a mixture of graphite and lead.

5. The device of claim 1, wherein the outer portion is made of wood.

1. A pencil comprising:

a chambered body; and

a lead composition enclosed within said chambered body.

2. The pencil as claimed in claim 1, wherein said chambered body is made of wood.

3. The pencil as claimed in claim 1, wherein said lead composition is made of a mixture of lead and graphite.

4. A pencil comprising:

a chambered body; and

means of making an erasable mark enclosed within said chambered body.

5. The pencil as claimed in claim 4, wherein said means of making an erasable mark is lead.

1. A device for creating marks comprising:

a stylus; and

a cladding that surrounds the stylus.

2. The device of claim 1, wherein the stylus comprises a material chosen from the group consisting of graphite, lead, or a mixture of graphite and lead.

3. The device of claim 1, wherein the cladding comprises wood.

4. The device of claim 1, further comprising:

an eraser comprising a material chosen from the group consisting of rubber, polymer resin, or powdered pumice combined with a binding material; and

a fastening band connecting the eraser to the cladding.

5. The device of claim 1, wherein:

the stylus is formed from a mixture of lead and graphite shaped into a cylinder having a diameter between 0.5 mm and 1.5 mm; and

the cladding is formed from a soft wood shaped into a hexagonal prism having a cross-section width between 1 mm and 10 mm; and further comprising

a cylindrical rubber eraser fixed to one end of the hexagonal prismatic cladding with a metal band crimped to the cladding and the eraser.

Claim-drafting exercise

\rightarrow Things to think about:

- Are your claims narrow enough to exclude the prior art?
- Are your claims broad enough to cover different configurations of the invention?
- Are your claims flexible enough to cover future technological development?





