

### Patent Claims 1

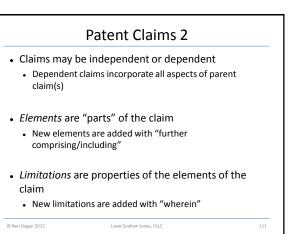
- Each claim is one sentence, of the form: [Preamble], [transition]: [body].
- [Preamble] directs the claim to one of the statutory categories: a process (method), an apparatus (system, device), an article of manufacture (a computer-readable medium)
- [Transition] defines an "open" or "closed" claim
  Open: "comprising/including"
  - Closed: "consisting"

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• [Body] defines one or more elements of the claim

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### Examples

- 1. A computer comprising a memory and a processor.
- 2. The computer of claim 1, further comprising a display.
- 3. The computer of claim 1, wherein the memory is a RAM.

Which of the above claims "read on" the following?

An embedded system having a microcontroller and only a ROM

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A typical desktop computer

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- A car including a navigation system

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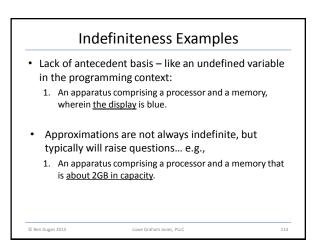
#### Patent Claims 3

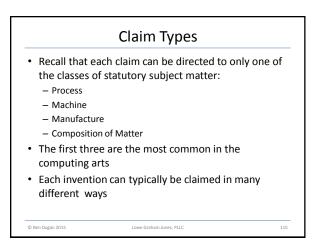
- Claims must particularly point out and distinctly claim the subject matter of the invention (35 USC 112, second para.)
- Claims must be <u>definite</u>, because their purpose is to place the public on notice of the metes and bounds of the invention
- Common indefiniteness problems:
  - Antecedent basis issues
  - Weasel words: about, substantially, similar, essentially

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- Trademarks used in claims

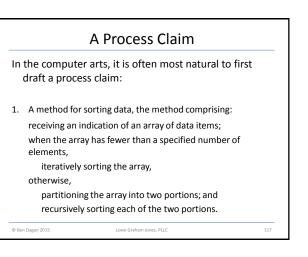
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# Example Technology Suppose you invent a new technique for sorting data: "swiftsort" In doing so, you implement the following: A library/module that implements swiftsort An executable that uses the library A client/server system for performing sorting operations A cool UI for animating swiftsort

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### Drafting Issues

- · Point of novelty
  - What is the point of novelty in the above claim?
  - What is window dressing?
- Infringer

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- Who infringes the above claim?
- Can it be reworded to read on a different party?
- · Subject matter issues
  - We'll discuss these later, but computer-related inventions are prone to subject matter problems

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## A Machine Claim

- 1. A device for sorting data, comprising:
- a data processor configured to:

receive an indication of an array of data items; when the array has fewer than a specified number of elements,

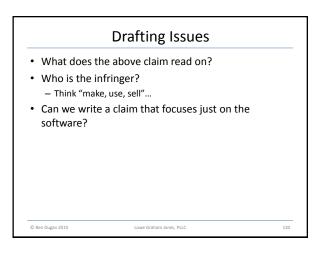
iteratively sort the array,

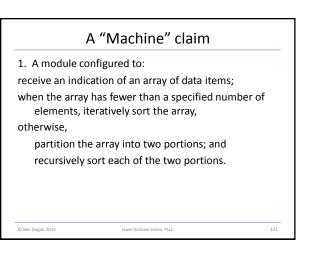
otherwise,

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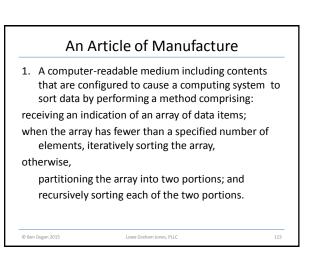
partition the array into two portions; and recursively sort each of the two portions.

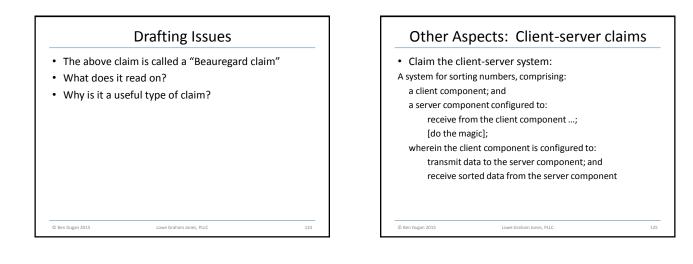
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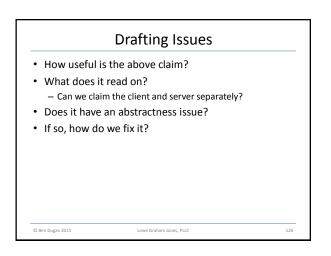


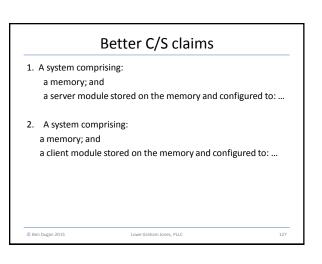


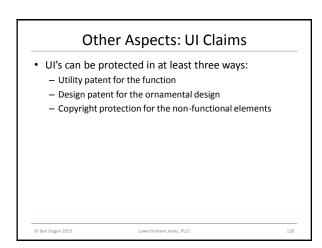
•	ice and courts (likely) won't a ecause it is too abstract.	allow the
<ul> <li>Software per s</li> </ul>	e' is not patent-eligible subj	ect matter
<ul> <li>Need to get m</li> </ul>	ore structure in there	

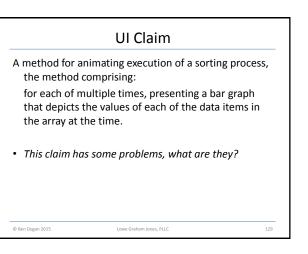


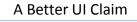












A method for animating execution <u>of a sorting process</u> <u>applied to an array of data items each having a</u> corresponding value, the method comprising:

for each of multiple times, presenting a bar graph that depicts the values of each of the data items in the array at the time.

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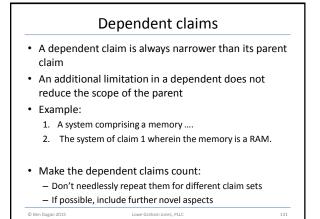
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Q: Is this claim too broad?

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Claim Differentiation

Because the dependent is always narrower than its parent, the scope of the parent <u>must always be strictly greater</u> than its child
Thus, in:

A system comprising a memory ....

- 2. The system of claim 1 wherein the memory is a RAM.
- The term "memory" in claim 1 must include RAMs as well as other kinds of memory

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