

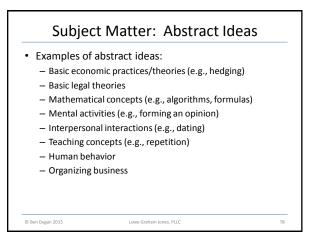
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Juicy Whip v. Orange Bang Court: "We find no basis in section 101 to hold that inventions can be ruled unpatentable for lack of utility simply because they have the capacity to fool some members of the public.

Conditions: Subject Matter · Invention must be directed to exactly one class of patentable subject matter: a process, machine, article of manufacture, composition of matter · Judicially created exceptions - Laws of nature (e.g., F=ma) - Abstract ideas (e.g., algorithm, general concepts) - Natural phenomena (e.g., gravity, EM radiation)

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Subject Matter

- Patent eligible? If so, what category applies:
 - A solar powered lawn mower
 - A waterproof breathable membrane
 - A recipe for cooking beans
 - The formula for Coca Cola
 - Chocolate milk
 - The quicksort algorithm
 - A program implementing above algorithm
 - A computer configured to perform quicksort
 - A binary tree data structure
 - A binary tree data structure encoded in a memory Lowe Graham Jones, PLLC

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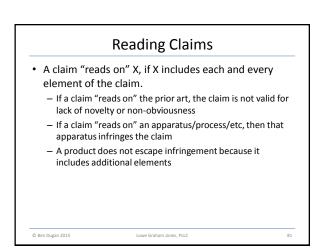
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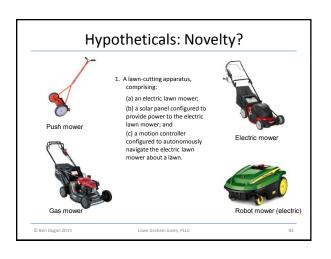
Conditions: Novelty · Invention must be new • An invention (as defined by a claim) is not new if each and every element of the claim is contained in a single prior art reference • Remember the verb: "reading on" - If a claim "reads on" a prior art reference it is not novel - If a claim "reads on" some device (or process, etc.), then

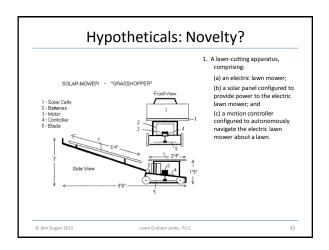
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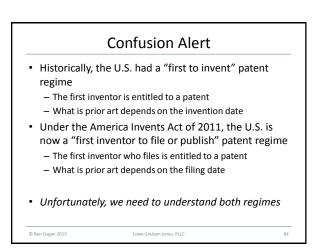
that device infringes the claim

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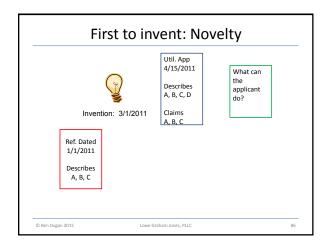


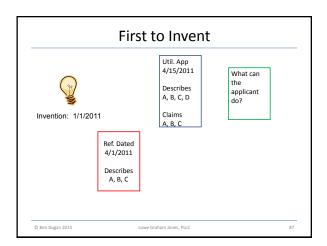


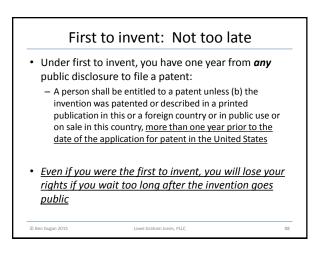


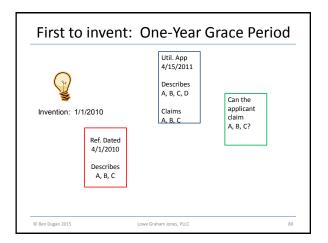


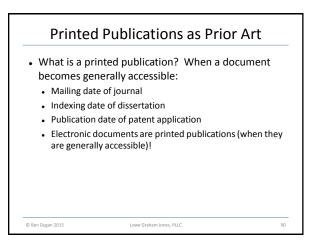
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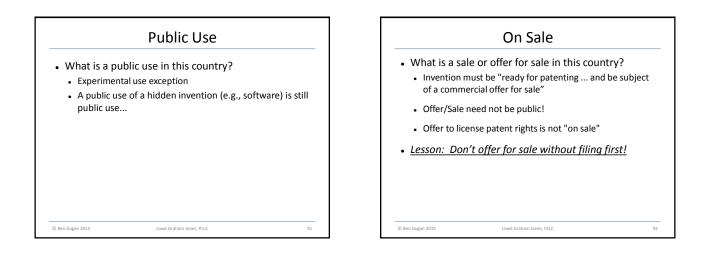


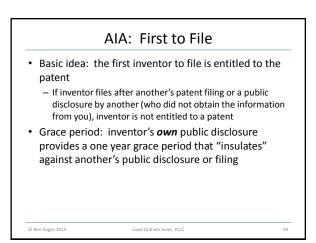


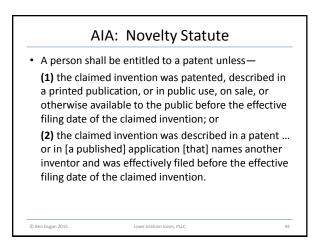


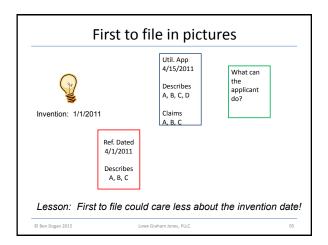


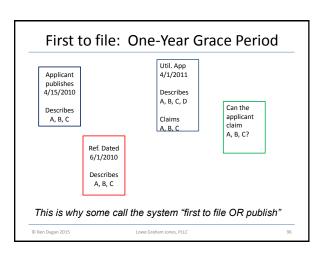












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AIA: Prior Art

- The AIA has modified somewhat the categories of prior art.
- AIA adds to the body of available art:
 "public use" anywhere in the world qualifies as prior art
 - "on sale" anywhere in the world qualifies as prior art

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- AIA subtracts from the body of available art:
 - Secret "on sale" activity <u>may</u> not qualify as prior art
 - Secret commercial use <u>may</u> not be prior art

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Living under the AIA

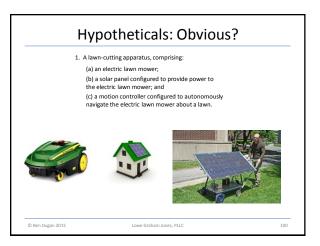
- Under the new regime, filing (or publishing) early is more important than ever.
- BUT, a sketchy filing isn't going to be much help
- Beware of relying on early publication
 - Publication will result in a loss of foreign rights (as it always has)
 - It can be difficult to prove your date years after the fact

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- Better to file a provisional application

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Conditions: Non-obviousness Invention must be non-obvious to a PHOSITA (person having ordinary skill in the art) at the time of the invention Example claim: An apparatus comprising A, B, and C. Reference 1 describes a machine comprising A and B. Reference 2 describes C. Novel? Obvious?



Obviousness Analysis

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- Obviousness analysis is typically framed as the following question:
 - would it have been obvious to modify the prior art (in some way) to reach the claimed invention?
- Manner of modification:
 - Combining known elements to yield predictable results
 - Substituting elements to yield predictable results
 - Modifying one prior art reference with teachings from another

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Cannot use hindsight...

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Obviousness Rebuttal

- When the PTO finds that an invention is obviousness, the applicant can rebut the finding.
- Techniques (from weak to strong)
 - The references were from disparate technology fields
 - The references when combined would not be operative for their intended purpose
 - One reference explicitly teaches away from the other

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- Evidence of non-obviousness (next slide)

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Non-obviousness Factors/Evidence

- Evidence of non-obviousness, in decreasing order of "effectiveness/weight"
 - Level of ordinary skill in the art: the higher the skill level, the more combinations/variations are obvious (everything was obvious to Einstein)

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- Skepticism of others
- Long felt need
- Prior failures

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- Unexpected results
- Copying by others
- Commercial success

Obviousness Util. App 4/15/2011 Describes A, B, C, D Can the Claims applicant claim A, B, C? A, B, C Ref. B Dated A, B, C, D? Ref. A Dated 1/1/2011 2/1/2011 Describes Describes A, B, C D © Ben Dugan 2015 Lowe Graham Jones, PLLC 104

