





- Patentable subject matter
- Novelty
- Nonobviousness

Utility

Disclosure















Kinds of Utility

- <u>Moral utility (policy/legality)</u>
- Operability (general utility)
- Specific Utility (practical utility)
- Substantial Utility (practical utility)

Moral utility

- The invention must "not be frivolous or injurious to the well-being, good policy, or sound morals of society."
- Many argue this doctrine is dead.
- If an invention can be put to at least one lawful use, it will be considered "useful" in this sense.









MPEP on Moral Utility

A rejection under 35 U.S.C. 101 for lack of utility should <u>not</u> be based on grounds that the invention is frivolous, fraudulent or against public policy. *See* Juicy Whip Inc. v. Orange Bang Inc. (Fed. Cir. 1999).

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Operability (a/k/a general utility, a/k/a "credible operability")

- An invention that is "inoperative" (i.e., it does not operate to produce the results claimed by the patent applicant) is not a "useful" invention in the meaning of the patent law.
- "An inoperative invention, of course, does not satisfy the requirement of 35 U.S.C. 101 that an invention be useful." – In re Harwood, 390 F.2d 985, 989 (CCPA 1968)



Operability

- Rejections on the basis of inoperability are rare. The threshold is low.
- "To violate § 101 the claimed device <u>must</u> be totally incapable of achieving a useful result." – Brooktree Corp. v. Advanced Micro Devices, Inc., 977 F.2d 1555, 1571 (Fed. Cir. 1992)



Operability

"A small degree of utility is sufficient ... An invention does not lack utility merely because the particular embodiment disclosed in the patent lacks perfection or performs crudely ... A commercially successful product is not required ... Nor is it essential that the invention accomplish all its intended functions ... [P]artial success [is] sufficient to demonstrate patentable utility ..." – E.I. du Pont De Nemours and Co. v. Berkley and Co., 620 F.2d 1247, 1260 n.17, (8th Cir. 1980).







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Specific Utility (a/k/a practical utility)

It is not enough for the applicant to declare usefulness generally. There must be a specific thing the invention does that is useful – i.e., a showing of specific utility.

Specific utility is rarely an issue with most inventions. However, specific utility is key hurdle to patentability in:

- chemistry
- biotechnology

Specific Utility

A "specific utility" is specific to the subject matter claimed and can "provide a welldefined and particular benefit to the public." In re Fisher, 421 F.3d 1365, 1371, (Fed. Cir. 2005).

This contrasts with a general utility (operability) that would be applicable to the broad class of the invention.



Specific Utility Examples from diagnostics: Ex. 1: Applicant makes a general statement of diagnostic utility, such as diagnosing an unspecified disease. → Insufficient. Ex. 2: Applicant discloses a specific biological activity and reasonably correlates that activity to a disease condition. → Sufficient to identify a specific utility.



Substantial Utility

(can be thought of as a subset of specific or practical utility)

There must be a current, real-world benefit to the invention.

As with specific utility, this is a key hurdle for

- chemistry
- biotechnology

Specific Utility in the Therapeutic or Pharmacological Context

Nelson v. Bowler, 626 F.2d 853 (CCPA 1980):

"Knowledge of the pharmacological activity of any compound is obviously beneficial to the public. It is inherently faster and easier to combat illnesses and alleviate symptoms when the medical profession is armed with an arsenal of chemicals having known pharmacological activities. Since it is crucial to provide researchers with an incentive to disclose pharmacological activities in as many compounds as possible, we conclude that adequate proof of any such activity constitutes a showing of practical utility."

Specific Utility in the Context of Research Tools

A research tool, such as a gas chromatograph, is useful and meets the utility requirement.

But where the invention's use in research is *to research the invention itself*, then the utility requirement is not met.





















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