

Adapter Sleeve for Scalpels

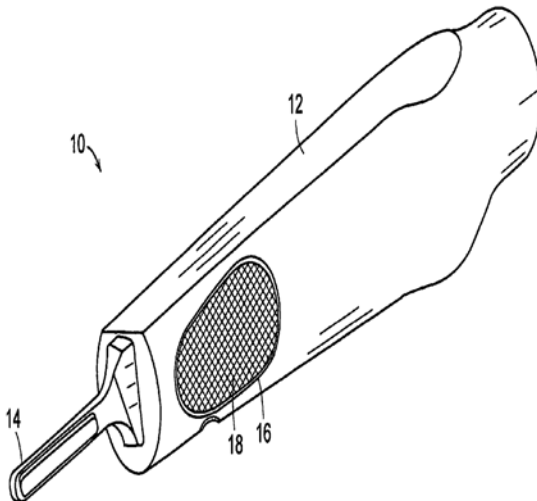
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Background

Scalpels are commonly used in surgery for making precise incisions and cuts. Surgical precision requires proper positioning of the scalpel blade. Traditional flat handle design, common to most scalpels, makes it harder for the surgeon to properly orient and position the scalpel at the incision site. Hence there is a critical need for improving scalpel design to facilitate greater ease thereby ensuring greater precision in surgical procedures.

Technology

Developed by UMass Medical School Professor Dr. Raymond Dunn, the technology is comprised of a medical device for use in surgical procedures. The invention discloses an adapter sleeve that can be fitted onto a scalpel blade that is commonly used in surgical procedures. The adapter has a contoured handle surface that provides a firmer grip; and a cavity within the adapter to receive a surgical blade device such that a blade extends through a distal opening of the cavity. The invention also discloses a rotational mechanism for adjusting the angular orientation of the scalpel blade to the adapter handle.



Application

Medical Device for surgical procedures

Salient Features and Competitive Advantages

- 👍 **Ease of use.** Provides a handle that is easier to hold, thereby empowering the surgeon with greater control and ability to make more precise incisions.
- 👍 **Sterilization Compatible:** The adapter sleeve is made of a plastic material suitable for sterilization after use and reuse
- 👍 **Safety.** Provides a firmer grip thereby decreasing the chances of scalpels slipping out during the procedure
- 👍 **Broad Applicability.** Can be used for different surgical procedures,
- 👍 **Market Potential:** The surgical instruments market reached \$3.78 billion in 2002 and has a current growth rate of 3%.

Business Opportunity

UMass OTM is seeking statements of interest from parties interested in licensing and/or sponsoring collaborative research to further develop, evaluate, or commercialize this technology.

Address

Kevin Lehman, PhD
Licensing Officer
Phone: (508) 856-5494
Fax: (508) 856-1482
E-mail: Kevin.Lehman@umassmed.edu;