



## Device for Distal Protection and Intravenous Filtration

### Description

Angioplasty in a thrombotic lesion carries the risk of distal embolization. Distal protection devices can be used to minimize this risk. Many current devices are placed into the artery prior to angioplasty using a guidewire. These devices are difficult to steer through the vasculature, as the device inhibits movement of the guidewire. Often, the utility of the guidewire is compromised. In the current invention the filter is attached to the balloon dilation catheter and deploys as the balloon is inflated, providing active deployment with minimal bulk and ease of positioning. The University of Minnesota now seeks a development partner to bring this innovation to the market.

### Features/Benefits

Filter mounts on to dilation balloon rather than on guidewire to ease navigation through the vasculature without compromising the guidewire.

### Technology Status

A working prototype is available for testing

### IP Status

US patent pending US2005/0038468

### Primary Inventor(s)

Carmelo J. Penetta, MD, Department of Medicine  
Joseph Sorkness, MD, Department of Medicine

Licensing Contact:  
Sue Patow  
Ph: 612-624-3966  
[patow001@umn.edu](mailto:patow001@umn.edu)

Office for Technology Commercialization  
1000 Westgate Drive, Suite 160  
Saint Paul, MN 55114-8658  
<http://www.research.umn.edu/techcomm/>

