

RETRIEVAL SYSTEMS AND METHODS FOR USE THEREOF

ABSTRACT

The devices and methods described herein relate to improved structures for removing obstructions from body lumens where the structure comprises a first layer and a second layer where the first and second layer comprise varying properties and are on opposite sides of the cover wall upon deployment of the eversible cover. Additional variations to the structure include where the first layer is configured to provide an expansion force and where the second layer is configured to be atraumatic relative to the first layer. Such devices have applicability in throughout the body, including clearing of blockages within the vasculature, by addressing the frictional resistance on the obstruction prior to attempting to translate and/or mobilize the obstruction within the body lumen.

Figure 2F