Improved Inferior Vena Cava Filter

**Title:** Improved IVC Filter

**Invention:** This technology is an improved inferior vena cava (IVC) filter that allows for adjustments during deployment to prevent tilting of the filter within the inferior vena cava.

**Background:** An IVC filter is used to prevent pulmonary embolism in patients who have built up thrombosis. However, a large percentage of IVC filters cannot be retrieved at a later point due to tilting, which can result in the IVC filter becoming buried in the blood vessel wall. Tilting often occurs due to improper deployment during placement of the IVC. Once the IVC hook becomes embedded in the vessel wall it cannot be removed. Therefore, there is a need for an improved retrievable IVC filter that will prevent tilting.

**Applications:**
- Pulmonary embolism prevention
- Vascular surgery
- Interventional radiology

**Advantages:**
- Prevents tilting
- Prevent maldeployment
- Prevents tissue embedding
- Retrievable

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