



### Technology

Surgically implantable device for the treatment of urinary incontinence

### Inventor

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### Key Features

- Device blocks urinary flow until the patient voluntarily urinates
- Simple and effective device that can more easily be implanted
- Device can be used for treatment in both men and women
- Easier for patients to manage and operate

### Stage of Development

Reduced to practice

### Keywords

- Medical device
- Urinary incontinence
  - Implantable device

### Patent Status

US Pat. Pub. No. 2006/0004246

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## A Surgically Implantable Urinary Incontinence Device (VA Reference No. 04-088)

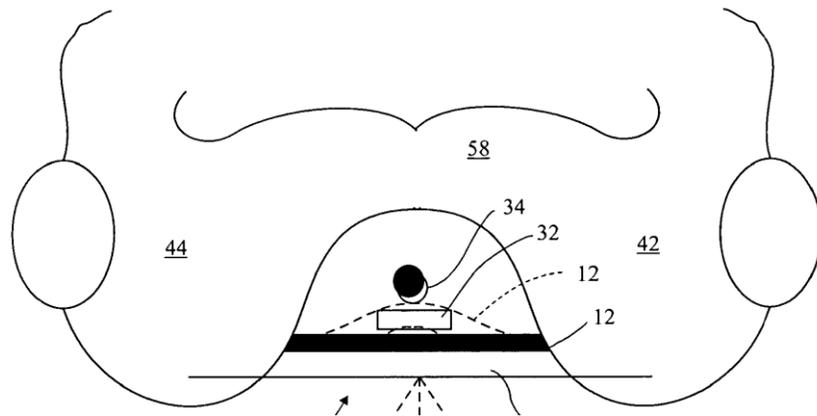
*Novel medical device for the treatment of urinary incontinence and other affiliated conditions in both men and women*

### Technology

The Department of Veterans Affairs has developed a surgically implantable incontinence device in which a patient can control his/her bladder function. The device can be used to replace a diseased or injured control valve at the base of the urinary bladder.

### Description

The device developed by the VA is comprised of a semi-synthetic platform fixed to the pelvic bones with the assistance of three-dimensional CATSCAN reconstructions. The device works by compressing the urethra blocking urinary flow until the patient voluntarily releases the compression to allow urination.



### Competitive Advantage

There are a number of current methods used for management of incontinence including: external urethral compression; surgical restoration of defective anatomy responsible for the condition; surgical replacement, reconstruction, or reinforcements; catheterization; and implantation of inflatable devices that prevent involuntary leakage. Current devices are more complex in design and may contribute to urethral erosion and the necessity for repeated surgical corrections.

This invention:

- Is designed to be less surgically complicating than present incontinence devices on the market.
- Is less prone to failure due to the uncomplicated design and non-inflatable mechanics.
- Is easier for patients to manage and operate compared to the current inflatable and reservoir systems offered for management of urinary incontinence.

### Status

The Department of Veterans Affairs is looking for a partner for further development and commercialization of this technology through a license, and the VA inventors are available to collaborate with interested companies through a Cooperative Research and Development Agreement (CRADA).