



IP OPPORTUNITY

Keystone Medical Technologies

Mobi-Drip- A Controlled Pressure Infusion and Irrigation Device

Invention Description

The Mobi-Drip concept is a safe, low cost mobile infusion device that is simple, robust and economic. Mobi-Drip is non-mechanical and non-electrical and offers an alternative safe and efficient intravenous infusion device for the home care market. Mobi-Drip is suited to small and large volume delivery.

Inventors

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Application and Market Opportunity

In the home-care market there is a clear need for a simple infusion device requiring little or no technical training.

The potential commercial benefits of such a device are significant. In the US there are an estimated:

- 39 million operative procedures annually,
- 10 million candidates for post-surgical infusion of non-narcotic analgesia
- 4,000 organisations providing IV therapy services.

It is clear therefore, that if US trends are followed in Australia, the home infusion market has potential for significant growth both in the short and medium term.

The Mobi-Drip technology has:

- A pressure source provided by in-built gas cylinder
- A design incorporating a patented gas regulator to maintain constant pressure

- A design tailored to commercial fluid packs – Baxter/Abbot Bag
- Dedicated fluid containers
- Clinical applications including irrigation and large volume rapid IV infusion
- A non-medical application

Developmental Stage

The portable dispensing device and, in particular, the regulator has been patented. Clinical trials are currently being implemented.

Researchers are seeking further investment from a industry partner to support the next stage in the development plan.

Keystone Flow Rate Indicator (FRI)

Invention Description

The FRI is a new disposable device for medical fluid conduits. It delivers both a regulation and monitoring function and is mechanically driven. As a result, it is significantly cheaper (\$3-\$5 per unit) than current electrical flow rate devices.

Application and Market Opportunity

The FRI has major market potential to expand into other fields outside medical e.g. gas, lubrication etc.

Developmental Stage

The device has been patented and prototypes have been trialed. The concept has been proven, though some development is necessary to improve functionality and to expand product features. Regulatory approval is expected by September 09.

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