Handheld/Portable Apparatus for the Production of Fine Fibers

This invention developed a microfiber and nanofibers producing system in handheld/portable form using a speed-controlled and microcontrolled spinneret design that reduces chamber size while avoiding entanglement and enhancing uniformity of deposited fibers.

Problem

Currently there is not a similar invention that creates fine fibers portably.

Solution

This invention has the ability to produce fine fibers with a portable/handheld apparatus that does not have needles and offers safety characteristics for in-situ applications including medical therapeutics.

Competitive Advantages

- Portability
- Uses centrifugal spinning method by which fibers are produced without the use of an electric field
- The fiber producing system can be aimed in a direction that the fibers are needed

Status of Development

- Commercialization Ready
- Prototype demonstration in an operational environment

IP Status

- Patent Pending
- Licensing Available

For further information regarding this Technology please contact:
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