

Technology Brief

Cooling Garment

US Patents
5,320,164
6,565,699



OVERVIEW

This technology employs a method for adhering tubing to breathable fabrics to create flexible, comfortable, and launderable material for use for use in cooling garments.

POTENTIAL USES

Material produced using this technology can be used for garments to regulate body temperature to include both cooling and heating.

ADVANTAGES

- Breathable & flexible
- Lightweight & comfortable
- Air & vapor permeable
- Reduces fatigue
- Extends user performance ability
- Provides cooling or heating
- Does not require stitching
- Reduces manufacturing cost

DEVELOPMENT STATUS/OPPORTUNITY

The technology was developed by the US Army.
The patent portfolio includes five issued US patents.
This is a proven technology demonstrated under field conditions.
Small portable cooling units are being developed.
Partners are sought for licensing, development & commercialization.



Contact for commercialization opportunities
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