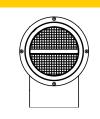
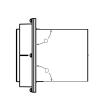
# Revolutionizing Ventilation with Advanced Intake & Exhaust Hood



CASE ID: UA 541-22









Views of Arctic Vent Hood



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## **INVENTORS**

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### **BACKGROUND**

The Arctic Vent Hood represents a pivotal advancement in home and industrial air management systems in cold climate conditions. Originating from pressing needs within highly regulated environments, this technology addresses critical deficiencies in existing ventilation solutions. It solves problems related to condensation and ice blockage, energy inefficiency, and environmental compliance in heat and energy recovery ventilation systems. By optimizing airflow dynamics, the technology ensures superior air quality and system performance.

#### **DESCRIPTION**

UAF researchers have designed and built a hood for dual vents with combined intake and exhaust openings. The Artic Vent Hood minimizes ice from developing on the exhaust opening that reduces system efficiency in cold climate conditions. The Arctic Vent Hood has been shown to greatly improve system efficiencies.

# **ADVANTAGES**

- Minimizes ice blockage
- Increases system efficiency

#### **APPLICATIONS**

- Heat Recovery Ventilators
- Energy Recovery Ventilators
- Manufacturing Facilities

#### INTELLECTUAL PROPERTY

- US Patent Application No. 15/101,590
- Design Patent Application No. 29/853,938

#### **OPPORTUNITY**

• Available to license