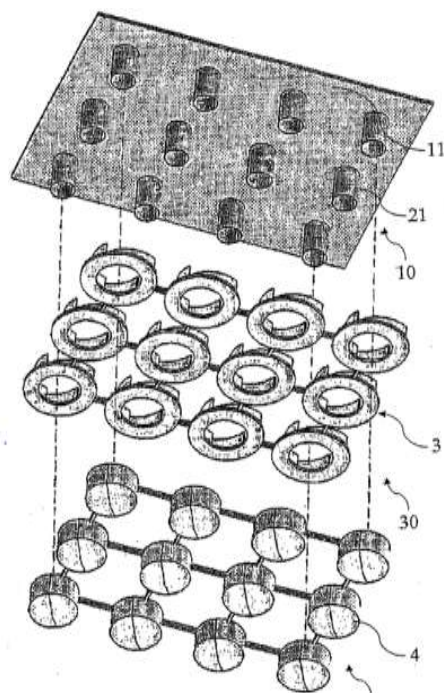




**UNIVERSITÀ  
DEGLI STUDI  
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## **SEPARATION FILTER FOR A VENTILATION DEVICE**

Efficient separation filter



Category:

**Engineering**

Patent Ownership:

**UNIVERSITÀ DI TRIESTE**

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Priority Date:

**9<sup>th</sup> July 2010**

Patent Application Number:

**PD2010A000215**

Patent Status:

**Granted in Italy**

Licensing Availability:

**Available**

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### **Brief description**

This invention is relevant in the field of filtration devices. It involves a separation filter, meant especially for ventilation devices that include a filtration unit. Such unit consists of a cylindrical impeller with blades, which defines a centripetal path that is connected to an annular channel made of two concentric ducts.

### **Innovative aspects and main advantages**

In several industrial applications, it is crucial to remove the particulate matter coming from the smokes that are produced. Nonetheless, current filtration devices prove to be inefficient for space issues and difficulty of implementation. This invention involves a separation filter that is more efficient, with a compact structure and easy to

assemble. The filter is reliable, easy to implement, and its cost is competitive.

### **Applications**

The main application of the separation filter is its employment within a ventilation unit. It can also be used as anti-particulate.

### **Potential market**

The potential market includes manufacturers producing ventilation units and separation filters for ventilation devices.

### **Development status**

Available for the market.

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