

Improved Air Purification Method for Use in Furniture Manufacturing

Today, many of the efficiency experts in the country's furniture-making enterprises are seeking a solution to the air purification problem. The dust extractors and ventilators used in the furniture industry do not ensure complete purification. The main source of the airborne dust is the grinding machine.

An efficient method by which all of the dust can be removed has been proposed by Ukrainian innovators. An additional connecting pipe is attached to the exhaust pipe of a standard dust extractor, and to the lower end of the attachment a cone-shaped fabric sleeve is fastened.

The heavy particles of dust rapidly lose velocity and fall into the connecting pipe. The lighter particles, upon rising, collect in the fabric sleeve, with the result that only clean air is discharged into the atmosphere.

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Page 2 (Full text)