

Room Ventilator and Air Purifier

Abstract

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A ventilator (10) for creating an exchange of air between a first area (A) and a second area (B) separated by a wall (22), comprising a housing (11) forming a channel between the first area and second area to allow exchange of air between the first area and second area, a first opening (14) disposed at side of the housing (11) facing the first area to allow air to be drawn in from the first area, a second opening (12) disposed at side of the housing (11) facing the second area to allow air to be introduced to the second area, at least one mesh (18) fitted within the housing (11) to permit passage of air while inhibiting progress of particulate matter and/or insects, and a fan (20) located within the housing (11) for creating a flow of air from the first area to the second area.

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15 The second opening (12) is sealable with a cover (12), whereby closing the cover (12) on the second opening (12) causes the fan (20) to turn off.

The Most Illustrative Drawings : Figure 2