CLAIMS

1. A door for furniture units, comprising
- a first panel (2) at least partly defining an outer face (1a) of the door;
- a second panel (3) facing the first panel (2) and at least partly defining an inner face (1b) of the door;
- an outer frame (4) interposed between the first panel (2) and the second panel (3) and connected to them, characterized in that it comprises within it an air vent duct (5) which extends between a first opening (5a) made in the outer frame (4) and a second opening (5b) made in the second panel (3).

2. A door according to claim 1, characterized in that it comprises a first filter (6a) and a second filter (6b) respectively associated with the first opening (5a) and with the second opening (5b) to allow the circulation only of filtered air inside the air vent duct (5).

3. A door according to claim 2, characterized in that the first filter (6a) comprises a wire or plastic netting (7) located at the first opening (5a) of the air vent duct (5).

4. A door according to claim 2 or 3, characterized in that the second filter (6b) comprises a membrane (9) made of semi-permeable material and abutting against the second panel (3) to occlude the second opening (5b); the membrane (9) being permeable to gases but not to liquids to allow the circulation of dry air inside the furniture unit (100).

5. A door according to claim 4, characterized in that the membrane (9) made of semi-permeable material is defined by at least one layer of non-woven fabric.

6. A door according to any one of the preceding claims, characterized in that the second panel (3) comprises a plurality of through holes (10) defining the second opening (5b).

7. A door according to any one of the preceding claims, characterized in that the second panel (3) is at least partly defined by a plate (11) provided

with a plurality of through holes (10); the through holes (10) defining the second opening (5b) of the air vent duct (5).

8. A door according to any one of the preceding claims, characterized in that it comprises an outer seal (12) located on the edge of the inner face (1b) to allow a sealed connection between the door and the furniture unit (100) when the door is in its closed position.

9. A door according to any one of the preceding claims, characterized in that defined between the first panel (2) and the second panel (3) is a chamber (C) which is accessible from the first opening (5a) and from the second opening (5b) and which at least partly defines the air vent duct (5).

10. A door according to claim 9, characterized in that it comprises at least one block of filler material (8) located inside the chamber (C) to decrease the resonating effect inside the door.

11. A furniture unit, comprising:

- a containment element (101) defining a receiving compartment (102);
- a door (1) according to any of the preceding claims, associated with the containment element (101) in such a way as to be able to move between an open position, allowing unobstructed access to the compartment (102), and a closed position, where it at least partly obstructs the compartment (102).

CLAIMS

1. **A furniture unit, comprising:**

- a containment element (101) defining a receiving compartment (102);

- a door (1) associated with the containment element (101) in such a way as to be able to move between an open position, allowing unobstructed access to the compartment (102), and a closed position, where it at least partly obstructs the compartment (102), said door (1) comprises:

- a first panel (2) at least partly defining an outer face (1a) of the door;
- a second panel (3) facing the first panel (2) and at least partly defining an inner face (1b) of the door;

characterized in that said door further comprises

- an outer frame (4) interposed between the first panel (2) and the second panel (3) and connected to them, and it comprises within it an air vent duct (5) which extends between a first opening (5a) made in the outer frame (4) and a second opening (5b) made in the second panel (3).

2. A ~~furniture~~ **furniture unit** according to claim 1, characterized in that **said door (1)** comprises a first filter (6a) and a second filter (6b) respectively associated with the first opening (5a) and with the second opening (5b) to allow the circulation only of filtered air inside the air vent duct (5).

3. A **furniture unit** according to claim 2, characterized in that the first filter (6a) comprises a wire or plastic netting (7) located at the first opening (5a) of the air vent duct (5).

4. A **furniture unit** according to claim 2 or 3, characterized in that the second filter (6b) comprises a membrane (9) made of semi-permeable material and abutting against the second panel (3) to occlude the second opening (5b); the membrane (9) being permeable to gases but not to liquids to allow the circulation of dry air inside the furniture unit (100).

5. A **furniture unit** according to claim 4, characterized in that the membrane (9) made of semi-permeable material is defined by at least one layer of non-woven fabric.

6. A **furniture unit** according to any one of the preceding claims, characterized in that the second panel (3) comprises a plurality of through holes (10) defining the second opening (5b).

7. A **furniture unit** according to any one of the preceding claims, characterized in that the second panel (3) is at least partly defined by a plate (11) provided with a plurality of through holes (10); the through holes (10) defining the second opening (5b) of the air vent duct (5).

8. A **furniture unit** according to any one of the preceding claims, characterized in that **said door (1)** comprises an outer seal (12) located on the edge of the inner face (1b) to allow a sealed connection between the door and the furniture unit (100) when the door is in its closed position.

9. A **furniture unit** according to any one of the preceding claims, characterized in that defined between the first panel (2) and the second panel (3) **of the door (1)** is a chamber (C) which is accessible from the first opening (5a) and from the second opening (5b) and which at least partly defines the air vent duct (5).

10. A **furniture unit** according to claim 9, characterized in that it comprises at least one block of filler material (8) located inside the chamber (C) to decrease the resonating effect inside the door.