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(71) Applicant: **Vene, Ales**
8275 Skocjan pri Novem mestu (SI)

(72) Inventor: **Vene, Ales**
8275 Skocjan pri Novem mestu (SI)

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(74) Representative: **Viering, Jentschura & Partner**
Steinsdorfstrasse 6
80538 München (DE)

(54) **Wardrobe**

(57) A wardrobe according to the invention, preferably a prefabricated one, is conceived in a way that it can be assembled and placed directly at its place without the dimensions of the space limiting the possibilities of placement and is, though appearing to be built-in, constructed as a stand-alone wardrobe not fastened to walls or ceiling, thus allowing good circulation of air and preventing the formation of mould and condensation on the panels facing the walls and the ceiling and at the same time providing enough space to reach the back wall for cleaning and painting. The wardrobe has a bottom panel (3) and a top panel (4) running at a distance from the back edges of vertical elements (1 and 2), where there are transversally running profiles (5) behind the bottom panel (3), the top panel (4) and optionally also between the elements (1 and 2), thus assuring the windbracing of the wardrobe, whereat the distance between the profiles (5) and the back edge of the vertical elements (1 and 2) forms an aeration slot (9) running along the entire height of the wardrobe and connecting the space below the bottom panel (3) and the space above the top panel (4), thus assuring the flow of air behind the back panel of the wardrobe. Door panels (6) functioning as the back panel of the wardrobe are placed just in front of the profiles (5) on the vertical elements (1 and 2).

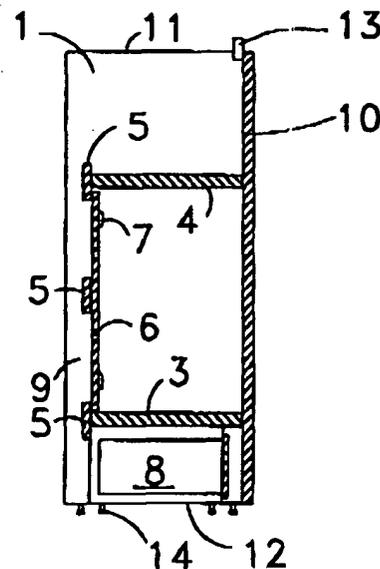


Fig. 2

Description

Subject of Invention

[0001] The subject of the invention is a wardrobe with shelves or hangers and with an optional door or without it.

Technical Problem

[0002] The technical problem to be solved by the present invention is how to conceive a wardrobe, preferably a prefabricated one, which could be assembled and placed directly at its place without the dimensions of the space limiting the possibilities of placement and which, though appearing to be built-in, would be constructed as a stand-alone wardrobe not fastened to walls or ceiling, thus allowing good circulation of air and preventing the formation of mould and condensation on the panels facing the walls and the ceiling and at the same time providing enough space to reach the back wall for cleaning and painting.

Prior Art

[0003] Known "built-in" wardrobes are tailor-made and do not allow prefabrication, which makes them expensive.

[0004] A wardrobe of that type is known from SI patent 200000040 (Aleš VENE), which, however, only solves the adjustment of a prefabricated wardrobe in height, not in width and does not enable air circulation behind its back panel.

[0005] There has been a need for a more general solution allowing a better adjustment to the space and to the user's needs and offering a prefabricated product at a lower price as well as preserving a solid quality.

Solution to the Technical Problem

[0006] The described technical problem is solved by a wardrobe according to the invention which is essentially made of prefabricated vertical panels, side panels and, if desired, intermediate partition panels; of horizontal bottom and top panels positioned at a distance from the floor and the ceiling of the space in order to allow better air circulation; of a back panel made in each area between two neighbouring vertical panels as single or double door panels, which can be opened to give access to the wall behind the wardrobe; and of transversal profiles at said door panels functioning as the back panel, which profiles assure the windbracing of the wardrobe.

[0007] In order that the present invention be more readily understood, an embodiment thereof will now be described by way of example with reference to the accompanying drawing in which:

Fig. 1 shows the front view of the wardrobe accord-

ing to the invention with a partial cross-section of the front door,

Fig. 2 shows a vertical cross-section of the wardrobe along the line II - II from Fig 1.

[0008] The wardrobe consists of side vertical elements 1, preferably panels and, if needed, intermediate vertical elements 2. The elements 1 and 2 are connected at the lower part by a bottom panel 3 and at the upper part by a top panel 4, which run from the front edges of the elements 1 and 2 at a distance from the back edges of the vertical elements 1 and 2, where there are placed transversally running profiles 5 behind the bottom panel 3 and the top panel 4 and between the elements 1 and 2, thus assuring the windbracing of the wardrobe. If required, more (preferably at least one) similar profiles 5 may be placed between the bottom panel 3 and the top panel 4. On the vertical elements 1 and 2 just in front of the profiles 5 there are placed door panels 6 on hinges 7, which door panels are, depending on the distance between two neighbouring vertical elements 1 and 2, executed either as single as double door panels and function as the back of the wardrobe.

[0009] Under the bottom 3 of the wardrobe a pull-out drawer 8 of a known design may be placed. Above the top panel 4 there is a relatively large space to the ceiling of the room.

[0010] The distance between the profiles 5 and the back edge of the vertical elements 1 and 2 normally running close to the back wall of the room forms an aeration slot 9 running along the entire height of the wardrobe and connecting the space below the bottom panel 3 and the space above the top panel 4, thus assuring the flow of air behind the back panel of the wardrobe.

[0011] A door 10 of the wardrobe is intended to run at a relatively small distance from the floor and ceiling of the room so as to form aeration slots 11, 12.

[0012] Behind the door 10 on the upper part of the wardrobe there may be executed a transversal support rail 13, whereas no similar rail is needed above the floor.

[0013] Under the vertical elements 1 and 2 there are screw feet 14 or similar known furniture elements used for levelling.

[0014] To close the slots between the lateral vertical elements 1 and the walls of the room there are foreseen two border doors 15 preferably fastened to the elements 1 with standard doorposts and having two additional border profiles 16 at the edge facing the wall if necessary. The profiles are fastened on the spot to assure a precise adjustment to the walls not being level.

[0015] All connecting elements and doorposts are standard elements and selected according to individual needs. The outer appearance of the wardrobe is optional as well, which is made possible by the structure as described above. Instead of a door on hinges there may also be a sliding door or a door not running from the floor to the ceiling, but only a partial one or partitioned into several doors in transversal direction. Drawers can be

visible or hidden behind the door. Furthermore, there can be other design variants without circumventing the essence of the invention as defined in the attached patent claims.

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Claims

1. A wardrobe consisting of side vertical elements (1), preferably panels and, if needed, intermediate vertical elements (2) with levelling screw feet (14) whereat the elements (1) and (2) are connected at the lower part by a bottom panel (3) and at the upper part by a top panel (4), with door panels (10) placed at the front side of the wardrobe and optional drawers (8) placed within the wardrobe, **characterized in that** the bottom panel (3) and the top panel (4) run at a distance from the back edges of the vertical elements (1) and (2) where there are transversally running profiles (5) positioned behind the bottom panel (3), the top panel (4) and optionally between the elements (1) and (2), said profiles (5) assuring the windbracing of the wardrobe, whereat the distance between the profiles (5) and the back edge of the vertical elements (1 and 2) forms an aeration slot (9) running along the entire height of the wardrobe and connecting the space below the bottom panel (3) and the space above the top panel (4), thus assuring the flow of air behind the back panel of the wardrobe and that there are door panels (6) functioning as the back of the wardrobe positioned on the vertical elements (1 and 2) in front of the profiles (5).

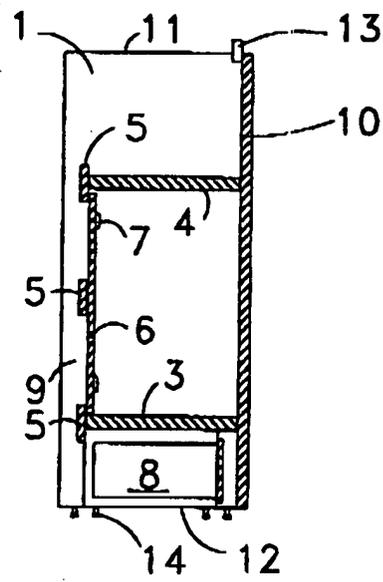
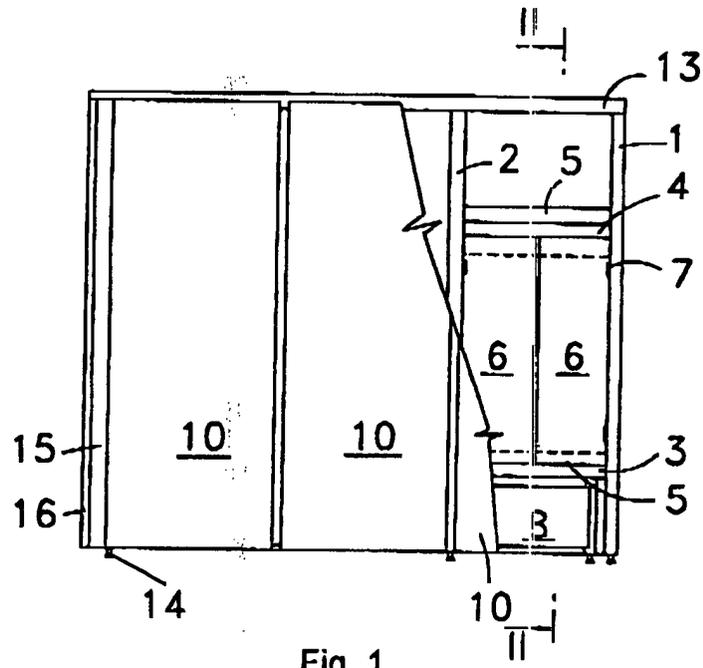
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2. A wardrobe according to claim 1, **characterized in that** the front door (10) of the wardrobe is intended to run at a relatively small distance from the floor and ceiling of the room so as to form aeration slots (11, 12).

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3. A wardrobe according to claims 1 and 2, **characterized in that** behind the door (10) a transversal support rail (13) is executed, if necessary, at the upper part of the wardrobe.

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4. A wardrobe according to claims 1 to 3, **characterized in that** between the side vertical elements (1) and the walls of the room two border doors (15) are foreseen, which have two additional border profiles (16) placed at the edge facing the wall if necessary.

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European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 02 01 7754

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			A47B D06F
Place of search	Date of completion of the search	Examiner	
THE HAGUE	25 November 2002	Ottesen, R	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 01 7754

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82