(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 1 898 015 A2**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
12.03.2008 Bulletin 2008/11

(51) Int Cl.:
E04B 2/74 *(2006.01)*

(21) Application number: **07075760.4**

(22) Date of filing: **05.09.2007**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

(30) Priority: **05.09.2006 NL 1032437**

(71) Applicant: **Interwand Eibergen B.V.**
7151 HS Eibergen (NL)

(72) Inventor: **Warnar, Hendrik**
7141 LN Groenlo (NL)

(74) Representative: **De Hoop, Eric**
Octrooibureau Vriesendorp & Gaade B.V.
P.O. Box 266
2501 AW Den Haag (NL)

(54) **Modular wall system**

(57) Modular wall system comprising vertically positioned wall panels and a channel having an elongated accommodation opening for accommodation of a utility duct from an outer side of the modular wall system. The utility duct can be accommodated in the channel, as a result of which the duct can largely be shielded against dust settling down. The degree of dust accumulation on the wall can therefore be limited.

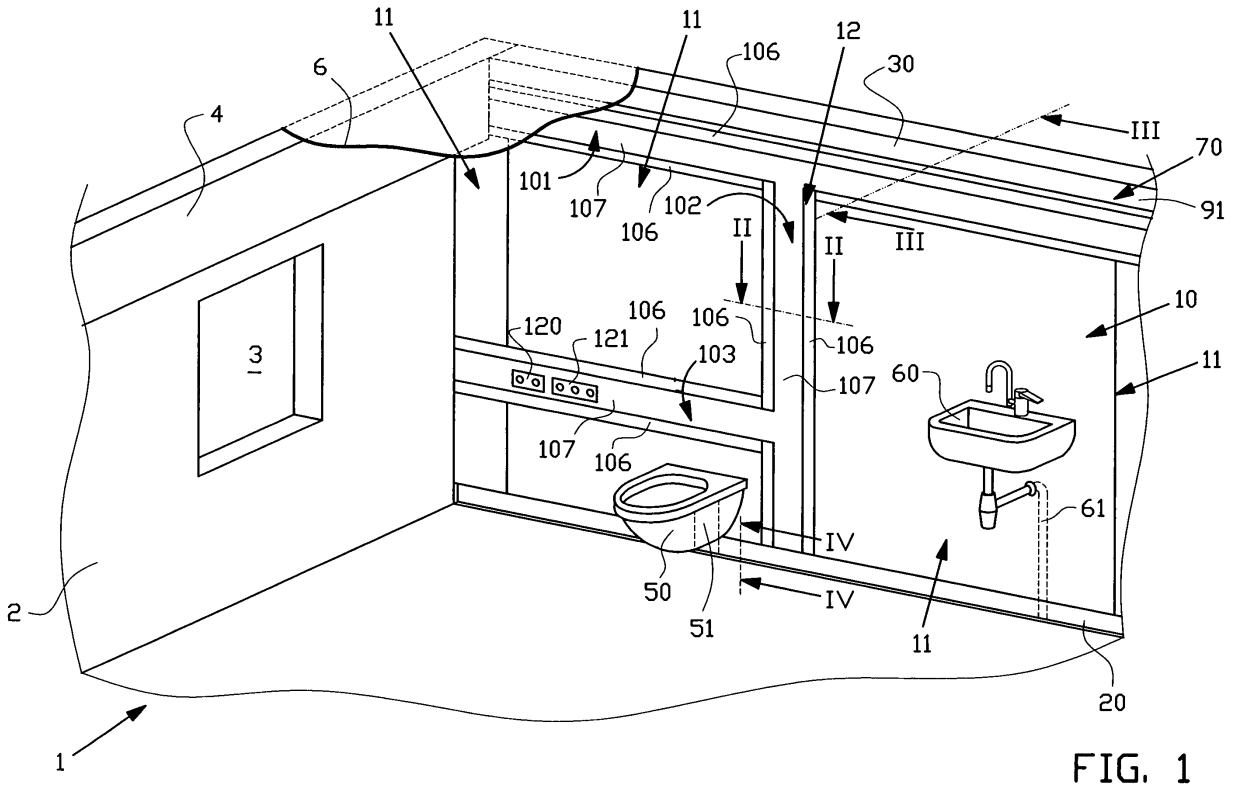

FIG. 1

EP 1 898 015 A2

Description

BACKGROUND OF THE INVENTION

[0001] The invention relates to a modular wall system having vertically positioned panels.

[0002] Such modular wall systems are suitable for for instance partitioning an office building into several rooms. The panels are then placed in vertical posts that extend between the floor and the ceiling system, wherein the panels at the upper side and the lower side are spaced several centimetres apart from the floor and the ceiling. Cables for lighting are passed upward between the panels in order to be connected above the ceiling system in connections that have already been arranged.

[0003] When fitting the said modular wall system in a hospital having a fixed ceiling, the electric wires cannot easily be finished behind the ceiling and the panels. Utility ducts therefore have to be placed against the wall. Dust may then accumulate on the duct and on the upper edges of the panels, which is undesirable in a hospital. There is furthermore a need for extending discharge pipes between the panels down to the floor and for easily varying the thickness of the wall.

[0004] It is an object of the invention to provide a modular wall system that gives dust less opportunity to settle down thereon.

[0005] It is an object of the invention to provide a modular wall system in which pipes/leads can be fitted down to the floor.

[0006] It is an object of the invention to provide a modular wall system of which the thickness is easy to vary.

SUMMARY OF THE INVENTION

[0007] According to one aspect the invention provides a modular wall system comprising vertically positioned wall panels and a channel having an elongated accommodation opening for accommodation of a utility duct from an outer side of the modular wall system. The utility duct can be accommodated in the channel, as a result of which the duct can largely be shielded against dust settling down. The degree of dust accumulation on the wall can therefore be limited.

[0008] The utility duct can be used for passing through cables to the ceiling or the floor when the channel extends substantially vertically.

[0009] Alternatively or additionally the utility duct can be used for passing through of cables to a wall or for connecting light switches, when the channel extends substantially horizontally, preferably at hand level.

[0010] In a first development the modular wall system comprises an intermediate panel between the wall panels, wherein the intermediate panel is provided with the channel. The wall panels can be standard panels, wherein the intermediate panel can be placed on or in the parts of the modular wall system in which a utility duct is wanted.

[0011] Preferably the intermediate panel comprises a front surface extending along the channel. Said front surface can then be used for letting a placement edge of the utility duct rest thereon. For that purpose the front surface can extend parallel to the wall panels.

[0012] Optionally sharp parts of the placement edge of the utility duct can be shielded when the front surface of the intermediate panel is situated offset from a front surface of the wall panels for a flush position of a placement edge of the utility duct in an insertion direction of the utility duct.

[0013] The utility duct can be held stably in the channel when the front surface extends on both sides of the channel.

[0014] Preferably the modular wall system comprises vertically positioned first carriers or holders for the wall panels and/or the intermediate panel, wherein said panels and the first carriers or holders are provided with first insertion attachment means for attaching the panels to the first carriers or holders. The wall can then be built up in modules, wherein first the first carriers or holders are placed and subsequently the panels are installed.

[0015] Preferably the first insertion attachment means are provided with locking means for locking the insertion attachment, preferably by means of snapping.

[0016] The first insertion attachment means are able to keep several panels positioned one to the other when the first insertion attachment means are situated at meeting side edges of the wall panels and the intermediate panel.

[0017] In a simple embodiment the intermediate panel is built up with a wall profile, preferably with a plate wall profile, wherein the wall profile defines the channel, the front surface and preferably at least a part of the first insertion attachment means.

[0018] The outer surface of the modular wall system can be durably resistant against objects bumping into the wall when the profile is at least partially manufactured of zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint. The metal may furthermore constitute a proper protection against bacteria.

[0019] Preferably the wall profile is integrally formed.

[0020] The sound insulating properties of the modular wall system can be improved when the intermediate panel comprises a layer of cellulose containing, gypseous or glass wool containing material positioned behind the front surface of the profile.

[0021] In a further development the modular wall system furthermore comprises a utility duct accommodated in the channel.

[0022] Preferably the utility duct comprises a duct section, and a placement edge extending along the duct section for placement against a front surface of the intermediate panel. By means of the placement edge the utility duct can be positioned parallel to the modular wall system when placing the channel.

[0023] The modular wall system can be finished level

on the outside, when the placement edge and a front surface of the wall panels are situated in substantially the same plane due to an offset position of the intermediate wall panel.

[0024] For a stable placement in the channel the utility duct may comprise a placement edge on both sides of the duct section.

[0025] For a fine finish the utility duct can be connected with a wall panel when the placement edge extends over the intermediate panel up to an adjacent wall panel.

[0026] Preferably the utility duct comprises a removable lid for attachment of equipment connections to the utility duct, wherein the lid and the placement edge at the outer side preferably are situated in the same plane. Due to the location in the same plane the lid can be shielded against dust settling down.

[0027] In a simple embodiment the utility duct is built up with a duct profile, preferably a plate duct profile, wherein the duct profile defines the duct section and the placement edge.

[0028] Preferably the duct profile is at least partially made of aluminium or zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint.

[0029] According to a further aspect the invention furthermore provides a modular wall system, particularly as stated above, comprising vertically positioned wall panels which with an upper edge are spaced apart from a ceiling, and a finishing profile for the upper edge that substantially extends up to the ceiling. The finishing profile may shield the upper edge from dust settling down, as a result of which hygiene in a room with the wall can be enhanced.

[0030] The upper edge can be particularly shielded when the finishing profile extends over a front surface section along the upper side of the panels. The finishing profile is then moreover able to properly abut the panels.

[0031] Preferably the finishing profile comprises an angular profile having a pending first section that extends parallel to the modular wall system, and a second section oriented transverse to the first section and extending along the ceiling.

[0032] After installation of the panels the finishing profile can be arranged when the modular system wall comprises a second carrier positioned horizontally along the ceiling for attachment of the panels to the ceiling, wherein the finishing profile and the second carriers are provided with second insertion attachment means for attachment of the finishing profile to the second carrier.

[0033] Preferably the second insertion attachment means are provided with locking means for locking the insertion attachment, preferably by means of snapping.

[0034] The second carrier can be hidden from view when the second carrier is situated offset from a front surface of the wall panels.

[0035] Preferably the finishing profile is at least partially made of zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint.

[0036] According to a further aspect, the invention furthermore provides a modular wall system, particularly as stated above, comprising vertically positioned wall panels that are placed opposite each other and which with a lower edge are spaced apart from a floor, and an adjustable skirting board structure between the floor and the wall panels placed opposite each other, wherein the adjustable skirting board structure is provided with skirting boards positioned behind the lower edges, third carriers extending over the skirting boards and abutting the lower edges, an adjustable foot positioned between the skirting boards and having a fourth carrier for carrying the third carriers, and third attachment means at the third carrier and the fourth carriers for separately attaching the fourth carriers to the third carrier. Because the fourth carriers can be separately attached to the third carrier, the third carrier can be selected on the basis of the wanted intermediate distance between the panels. The thickness of the modular wall system can then easily be adjusted.

[0037] According to a further aspect, the invention furthermore provides a modular wall system, particularly as stated above, comprising vertically positioned wall panels placed opposite each other and which with a lower edge are spaced apart from a floor, and an adjustable skirting board structure between the floor and the panels placed opposite each other, wherein the adjustable skirting board structure is provided with skirting boards positioned behind the lower edges, third carriers extending over the skirting boards and abutting the lower edges, and with several adjustable feet positioned between the skirting boards for carrying the third carriers, wherein the adjustable feet are spaced apart in horizontal direction. The space between the spaced apart adjustable feet can be used for passing pipes/leads through to the floor.

[0038] The third carrier is able to extend over a large part of the lower edge of a wall panel when the third carrier comprises a horizontally extending supporting profile extending over a part of a skirting board.

[0039] Preferably the third attachment means comprise a screw connection.

[0040] Alternatively or additionally the third attachment means comprise a vertical insertion edge on the third carriers and an insertion opening for the insertion edge on the fourth carrier. The supporting profiles can be connected to the fourth carrier and thus to the adjustable foot by inserting them with the insertion edge into the insertion opening after positioning the adjustable foot. The adjustable skirting board structure can be built up fast as a result.

[0041] The outer surface of the skirting boards can remain durably resistant against objects bumping into the wall when the skirting boards are built up with a metal plate that defines a front surface of the skirting boards.

[0042] The skirting boards can be properly resistant against moisture on the floor when the metal plate also defines a bottom surface of the skirting boards that faces the floor.

[0043] Preferably the metal plate is made of zincor

steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint.

[0044] In order to improve the sound insulation the modular wall system may comprise a layer of gypsum or cellulose containing material behind the metal plate.

[0045] The invention furthermore relates to an intermediate panel suitable and intended for the modular wall system according to the invention.

[0046] The invention furthermore relates to a finishing profile suitable and intended for the modular wall system according to the invention.

[0047] The invention furthermore relates to a utility duct suitable and intended for the modular wall system according to the invention.

[0048] The invention furthermore relates to an adjustable foot with fourth carrier suitable and intended for the modular wall system according to the invention.

[0049] The aspects and measures described in this description and the claims of the application and/or shown in the drawings of this application may where possible also be used individually. Said individual aspects may be the subject of divisional patent applications relating thereto. This applies in particular to the measures and aspects described per se in the sub claims.

SHORT DESCRIPTION OF THE DRAWINGS

[0050] The invention will be elucidated on the basis of a number of exemplary embodiments shown in the attached drawings, in which:

Figure 1 shows a view in perspective of a hospital room separated from a next room by means of a modular wall system according to the invention;

Figure 2 shows a horizontal cross-section of an intermediate panel of a modular wall system according to the lines II-II in figure 1;

Figure 3 shows a vertical longitudinal section of a finishing structure at the upper side of the modular wall system according to the lines III-III in figure 1;

Figure 4 shows a vertical cross-section of an adjustable skirting board structure of the modular wall system according to the lines IV-IV in figure 1; and

Figure 5 shows a vertical cross-section of an alternative adjustable skirting board structure of the modular wall system according to the invention.

DETAILED DESCRIPTION OF THE DRAWINGS

[0051] The hospital room 1 according to figure 1 is defined by a floor 5, an exterior wall 2 having a window 3, a ceiling 6 and a modular wall system 10 according to the invention. The modular wall system 10 is built up with vertical wall panels 11 and vertical intermediate panels 1 2 (in figure 1 only one intermediate panel 12 within the figure), that are positioned parallel to each other and straight opposite each other on either side of the modular wall system 10. The intermediate panels 12 are placed between the wall panels 11, and are situated a few millimetres offset with respect to the wall panels 11. The modular wall system 10 has a vertical plane of symmetry. Against the wall panels 11 a toilet bowl 50 and a wash basin 60 are mounted, of which the discharge pipes 51, 61 are concealed behind the wall panels 11.

[0052] Against and partially in the intermediate panel 12 a vertical utility duct 102 is placed from the outside, which connects to a comparable horizontal utility duct 103 placed at hand level and to a higher continuous horizontal utility duct 101. The continuous utility duct 101 ends near a cove 4 against the exterior wall 2. Pipes/leads are passed through the cove 4 and the ducts 101, 102, 103, and are finished at a socket 120 and a connection 121 for compressed air, vacuum, oxygen and nitrogen as is common in a hospital.

[0053] Figure 2 shows a cross-section of the intermediate panel 1 2 with the vertical utility duct 102 and the adjacent parts of the wall panels 11. The construction of the intermediate panels behind the horizontal utility ducts 101, 103 is comparable or the same. The intermediate panel 12 is made of a plate of (zincor) steel or alternatively stainless steel sprayed in a colour and comprises a rear wall 17 and two inner walls 16 that are transverse thereto and form an elongated insertion channel, two parallel wall plate sections 15 oriented to the outside and in horizontal direction offset from the front surface of the wall panels 1 1, and two attachment edges 13 extending substantially parallel to the duct side walls 16 and having offset locking edges 14. Between the rear walls 17 of the oppositely placed intermediate panels 11 an antirumble layer is placed to counteract the disturbing noises of rear walls 17 inadvertently tapping against each other.

[0054] The vertical utility duct 102 has the same construction as the horizontal utility ducts 101, 103. The vertical utility duct 102 is also made of a plate of (zincor) steel or alternatively stainless steel sprayed in a colour and comprises a bottom wall 105 and two side walls 104 that are transverse thereto and which at the ends are provided with abutment walls 106 oriented transverse thereto and abutting the wall plate sections 15. The thickness of the abutment walls 106 substantially equals the offset position of the wall plate sections 15, as a result of which the front surface of the wall panels 11 and of the abutment walls 106 are situated in the same vertical plane. The abutment walls 106 extend up to the wall panels 11. With its side walls 104 and the bottom wall 105, the vertical utility duct 102 is spaced a few millimetres apart from the inner walls 16 and the rear wall 17 of the intermediate panel 12.

[0055] The vertical utility duct 102 is covered by an elongated metal lid 107 to which connection can be attached, for instance the socket 120 and the connections 121 as mentioned above. The front surface of the lid 107

and the front surface of the abutment walls 106 are in the same plane.

[0056] Figures 2-5 show a cross-section of the walls panels 11 that are built up with a (zincor) steel or alternatively stainless steel wall plate 30 sprayed in a colour and having an attachment edge 31 at the vertical sides which at the end is provided with a locking edge 32 that is set back, an upper edge 38 at the horizontal upper side which at the end is provided with an offset end edge 39, and a lower edge 34 at the lower side. Behind the wall plate 30 each wall panel 11 comprises a gypsum board 33 extending over substantially the length and width of the wall panel 1 1 up to a short distance from the said edges 31, 34, 38 that envelop the gypsum board 33.

[0057] When constructing the modular wall system 10, the attachment edges 31, 13 of the wall panel 11 and the intermediate panel 12, respectively, are attached adjacent to and against each other to an intermediate post 130, as a result of which oppositely positioned wall panels 1 1 and intermediate panels 1 2 are kept at a fixed distance from each other. The intermediate post 130 is built up with a centre lath 131, two side laths 135 attached against the centre lath 131, and several metal clamping brackets 132 attached against the side laths 135 and spaced apart in vertical direction. The clamping brackets 132 comprise clamping pieces 133 that are diagonally oriented towards each other and have insertion pieces 134 at their ends. When placing the panels 11, 12, the offset locking edges 14, 32 are snapped fixed in direction A behind the inclined clamping pieces 134, and extend just as deeply into the clamping brackets 130. Behind the wall panels 11 and the intermediate panel 12 a layer of rock wool 40 is accommodated between the intermediate posts 130.

[0058] Figure 3 shows the finishing structure 70 at the upper side of the modular wall system 10. The finishing structure 70 comprises a plasterboard strip 71 extending vertically along the ceiling 6 and which at the front side and the upper side is shielded by a (zincor) steel or alternatively a stainless steel plate 72 sprayed in a colour. The plate 72 comprises an offset upper edge 73 that is situated over the plasterboard strip 71. In horizontal direction the plate 72 is recessed a few centimetres with respect to the wall plate 30 of the wall panels 11. At the end of the upper edge 73 the front plate 72 comprises a downwardly oriented end edge 74.

[0059] At the inside of the modular wall system 10 a ceiling bracket 79 is attached against the ceiling 6, the opposite end edges 77 of which ceiling bracket are oriented downward. The end edges 74 and 77 extend into a first slot 76 and second slot 78, respectively, of a series of coupling brackets 75. The coupling brackets 75 are made of a steel strip and comprise a bottom part 85 and opposite each other a first raised lip 84 and a second, shorter raised lip 86. The first and second slots 76, 78 extend parallel to each other through the bottom part 85 and an equal section of the raised lips 84, 86. The coupling brackets 75 are secured to the ceiling 6 by means of screws 87.

[0060] At the upper side of the modular wall system 10, the finishing structure 70 furthermore comprises a finishing profile 90 that is made of (zincor) steel or alternatively stainless steel sprayed in a colour, and that is built up with a vertical front plate 91 which, along the lower side, is situated a few centimetres over the wall plate 30, an upper edge 92 that is situated against the ceiling 6, and an offset convex end edge 93 which when constructing the modular wall system 10 is accommodated in direction B behind a series of metal snap brackets 80 of the finishing structure 70.

[0061] The snap bracket 80 is attached against the front plate 72 and comprises an attachment strip 81, an inclined intermediate strip 82 and an end strip 83 oriented inclined thereto for guiding the offset end edge 93 of the finishing profile 90 during snapping it fixed. The front plate 91 is held against the wall plate 30 along the lower side. The finishing profile 90 protects the upper edge 38 of the wall panel 1 1 against dust settling down. Due to the distance between the upper edge 38 and the ceiling 6 there is sufficient room for the wall panels 11 to move during the construction of the modular wall system 10.

[0062] A cross-section of the adjustable skirting board structure 20 at the lower side of the modular wall system 10 is shown in figure 4. The adjustable skirting board structure 20 comprises a plasterboard strip 25 which at the front side and the lower side is shielded by a (zincor) steel or alternatively stainless steel front plate 21 sprayed in a colour having a lower edge 22 and a raised attachment edge 23. The plasterboard strip 25 is glued against the front plate 21. A number of floor brackets 63 with raised attachment edges 54 are spaced apart from each other on the floor 5. The raised attachment edges 23 of the front plate 21 and the raised attachment edges 64 of the floor bracket 63 extend into the first slot 76 and second slot 78, respectively, of a series of coupling brackets 75 that are also used with the ceiling 6, in order to attach the modular wall system 10 to the floor 5.

[0063] Over and along the upper side of the plasterboard strip 25 a metal U-profile 53 is placed which at the outer side is provided with an inclined raised supporting edge 54. At the inside the U-profile 53 is provided with a horizontal attachment edge 55 which with a bolt 57 is attached to the end of a metal coupling strip 56. The U-profiles placed opposite each other are connected to each other with several spaced apart coupling strips 56. The free end of the supporting edge 54 in horizontal direction is offset with respect to the front surface of the wall panels 11, as a result of which they are hidden from view.

[0064] The coupling strips 56 are supported by adjustable blocks 59 which with threaded ends 58 are kept spaced apart from the floor brackets 63. By rotation of the threaded ends in direction C the adjustable blocks 59 and thus the coupling strip 56 and the U-profiles 53 can be brought upwards in order to bring the raised supporting edges 54 over the entire horizontal length against

the lower edges 34 of the wall panels 11 and to adjust the wall panels 11 at the correct height.

[0065] The intermediate spaces between the spaced apart adjustable blocks 59 and floor brackets 63 can be used for the passage of pipes or leads between the walls panels 11 to the floor 5, such as the vertical discharge pipe 51 that is schematically shown in figure 5 with interrupted lines. At the location of the discharge pipe 51 a part of the attachment edge 55 or floor bracket 63 that are not used at that location can be taken out or left out.

[0066] The thickness of the modular wall system 10 and thus the distance between the wall panels 11 and intermediate panels 1 2 can be adjusted by using longer or shorter coupling strips 53, floor brackets 6 and ceiling brackets 79, and by varying the width of the posts 130 transverse to the modular wall system 10. The size of the other parts does not depend on the thickness of the modular wall system 10.

[0067] Figure 5 shows an alternative adjustable skirting board structure 20' for the modular wall system 10. The corresponding parts are provided with the same reference numbers.

[0068] The adjustable skirting board structure 20' comprises metal U-profile 53' which at the inside is provided with a vertical attachment edge 55'. On the adjustable block 59 a U-profile 56' is situated which in its longitudinal direction is oriented transverse to the wall panels 11. At the short ends the U-profile 56' comprises raised lips 65 which in cooperation with the ends of the raised longitudinal edges 67 define an insertion slot 66 in which the inner edge of the U-profile 56' is inserted in direction D. Said alternative adjustable skirting board structure 20' can be constructed in situ by stacking and inserting without the use of screws.

[0069] The outer sides of the modular wall system 10 according to the invention are entirely made of (zincor) steel or alternatively stainless steel sprayed in a colour, wherein dust settling down cannot settle down or hardly so due to the absence of large horizontally extending surfaces. As a result bacteria have less chance of nestling in or one the wall system 10.

[0070] The above description is included to illustrate the operation of preferred embodiments of the invention and not to limit the scope of the invention. Starting from the above explanation many variations that fall within the spirit and scope of the present invention will be evident to an expert.

Claims

1. Modular wall system comprising vertically positioned wall panels and a channel having an elongated accommodation opening for accommodation of a utility duct from an outer side of the modular wall system.

2. Modular wall system according to claim 1, wherein the channel extends substantially vertically.

3. Modular wall system according to claim 1 or 2, wherein the channel extends substantially horizontally, preferably at hand level.

4. Modular wall system according to any one of the preceding claims, comprising an intermediate panel between the wall panels, wherein the intermediate panel is provided with the channel, wherein the intermediate panel preferably comprises a front surface extending along the channel, wherein the front surface preferably extends parallel to the wall panels.

5. Modular wall system according to claim 4, wherein the front surface of the intermediate panel is situated offset from a front surface of the wall panels for a flush position of a placement edge of the utility duct in an insertion direction of the utility duct.

6. Modular wall system according to claim 4 or 5, wherein the front surface extends on both sides of the channel.

7. Modular wall system according to any one of the preceding claims, comprising vertically positioned first carriers or holders for the wall panels and/or the intermediate panel if present, wherein said panels and the first carriers or holders are provided with first insertion attachment means for attaching the panels to the first carriers or holders, wherein the first insertion attachment means preferably are provided with locking means for locking the insertion attachment, preferably by means of snapping, wherein the first insertion attachment means preferably are situated at meeting side edges of the wall panels and the intermediate panel.

8. Modular wall system according to any one of the claims 4-7, wherein the intermediate panel is built up with a wall profile, preferably with a plate wall profile, wherein the wall profile defines the channel, the front surface and preferably at least a part of the first insertion attachment means, wherein the profile preferably is at least partially manufactured of zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint, wherein the wall profile preferably is integrally formed, wherein the intermediate panel preferably comprises a layer of cellulose containing, gypseous or glass wool containing material positioned behind the front surface of the profile.

9. Modular wall system according to any one of the preceding claims, furthermore comprising a utility duct accommodated in the channel, wherein the utility duct preferably comprises a duct section, and a placement edge extending along the duct section for placement against a front surface of the intermediate panel, wherein the placement edge and a front sur-

face of the wall panels preferably are situated in substantially the same plane due to an offset location of the intermediate panel.

10. Modular wall system according to claim 9, wherein the utility duct comprises a placement edge on both sides of the duct section.

11. Modular wall system according to claim 9 or 10, wherein the placement edge extends over the intermediate panel up to an adjacent wall panel.

12. Modular wall system according to any one of the claims 9-11, wherein the utility duct comprises a removable lid for attachment of equipment connections to the utility duct, wherein the lid and the placement edge at the outer side preferably are situated in the same plane.

13. Modular wall system according to any one of the claims 9-12, wherein the utility duct is built up with a duct profile, preferably a plate duct profile, wherein the duct profile defines the duct section and the placement edge, wherein the duct profile preferably is made of aluminium or zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint.

14. Modular wall system, particularly according to any one of the preceding claims, comprising vertically positioned wall panels which with an upper edge are spaced apart from a ceiling, and a finishing profile for the upper edge that substantially extends up to the ceiling, wherein the finishing profile preferably extends over a front surface section along the upper side of the panels.

15. Modular wall system according to claim 14, wherein the finishing profile comprises an angular profile having a pending first section that extends parallel to the modular wall system, and a second section oriented transverse to the first section and extending along the ceiling.

16. Modular wall system according to claim 14 or 15, comprising a second carrier positioned horizontally along the ceiling for attachment of the panels to the ceiling, wherein the finishing profile and the second carriers are provided with second insertion attachment means for attachment of the finishing profile to the second carrier, wherein the second insertion attachment means preferably are provided with locking means for locking the insertion attachment, preferably by means of snapping, wherein the second carrier preferably is situated offset from a front surface of the wall panels.

17. Modular wall system according to any one of the claims 14-16, wherein the finishing profile is at least partially made of zincor steel or stainless steel, preferably 316 stainless steel, preferably provided with a coat of paint.

18. Modular wall system, particularly according to any one of the preceding claims, comprising vertically positioned wall panels that are placed opposite each other and which with a lower edge are spaced apart from a floor, and an adjustable skirting board structure between the floor and the wall panels placed opposite each other, wherein the adjustable skirting board structure is provided with skirting boards positioned behind the lower edges, third carriers extending over the skirting boards and abutting the lower edges, an adjustable foot positioned between the skirting boards and having a fourth carrier for carrying the third carriers, and third attachment means at the third carrier and the fourth carriers for separately attaching the fourth carriers to the third carrier.

19. Modular wall system, particularly according to any one of the preceding claims, comprising vertically positioned wall panels placed opposite each other and which with a lower edge are spaced apart from a floor, and an adjustable skirting board structure between the floor and the panels placed opposite each other, wherein the adjustable skirting board structure is provided with skirting boards positioned behind the lower edges, third carriers extending over the skirting boards and abutting the lower edges, and with several adjustable feet positioned between the skirting boards for carrying the third carriers, wherein the adjustable feet are spaced apart in horizontal direction.

20. Modular wall system according to claim 18 or 19, wherein the third carrier comprises a horizontally extending supporting profile extending over a part of a skirting board.

21. Modular wall system according to any one of the claims 18-20, wherein the third attachment means comprise a screw connection.

22. Modular wall system according to any one of the claims 18-21, wherein the third attachment means comprise a vertical insertion edge on the third carriers and an insertion opening for the insertion edge on the fourth carrier.

23. Modular wall system according to any one of the claims 18-22, wherein the skirting boards are built up with a metal plate that defines a front surface of the skirting boards, wherein the metal plate preferably also defines a bottom surface of the skirting boards that faces the floor, wherein the metal plate preferably is made of zincor steel or stainless steel,

preferably 316 stainless steel, preferably provided with a coat of paint, wherein the modular wall system preferably contains a layer of gypsum or cellulose containing material behind the metal plate.

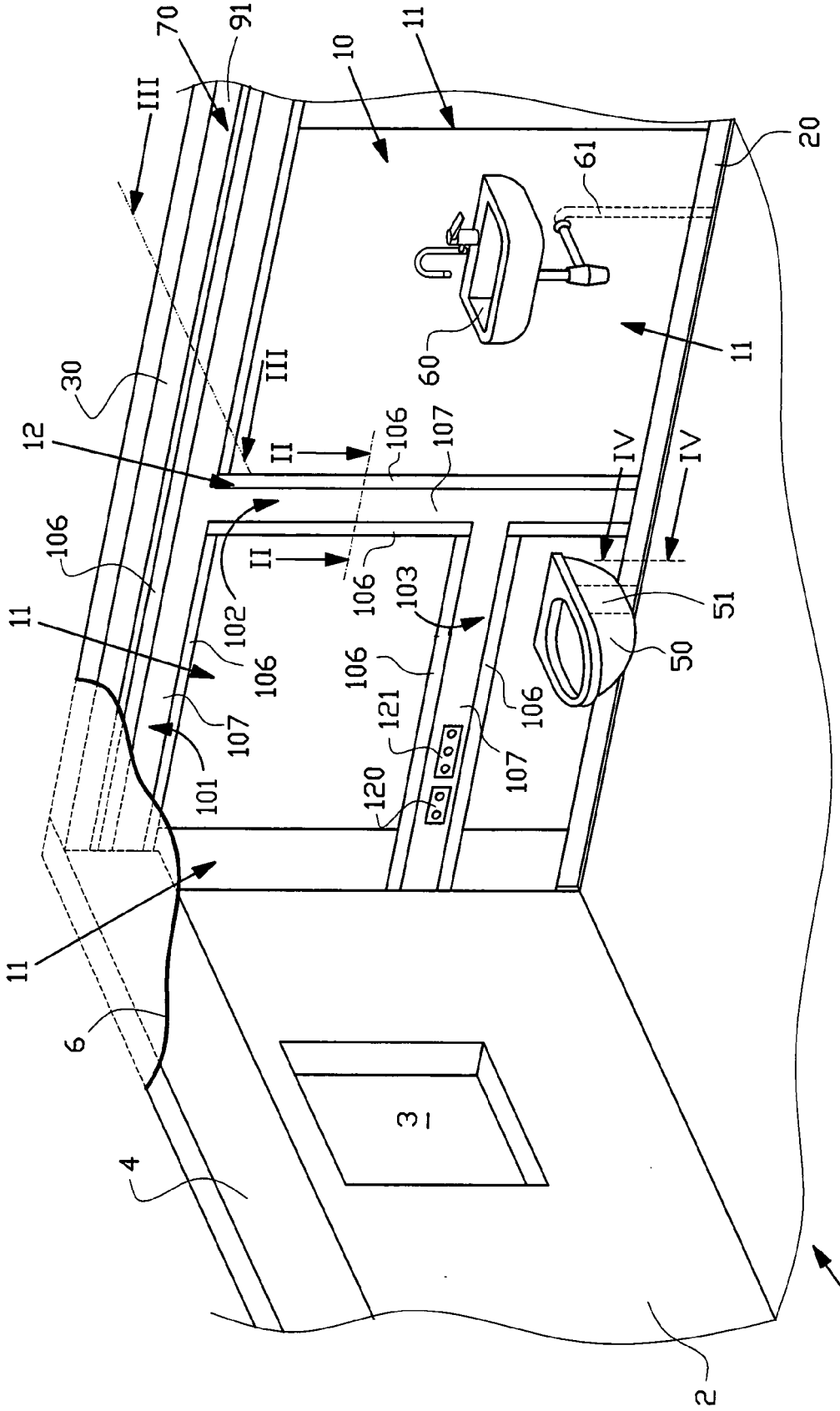
70
91
10
11
III
20
61
60
30
12
II
106
107
IV
102
103
51
50
101
121
120
3
4
6
2
1

FIG. 1

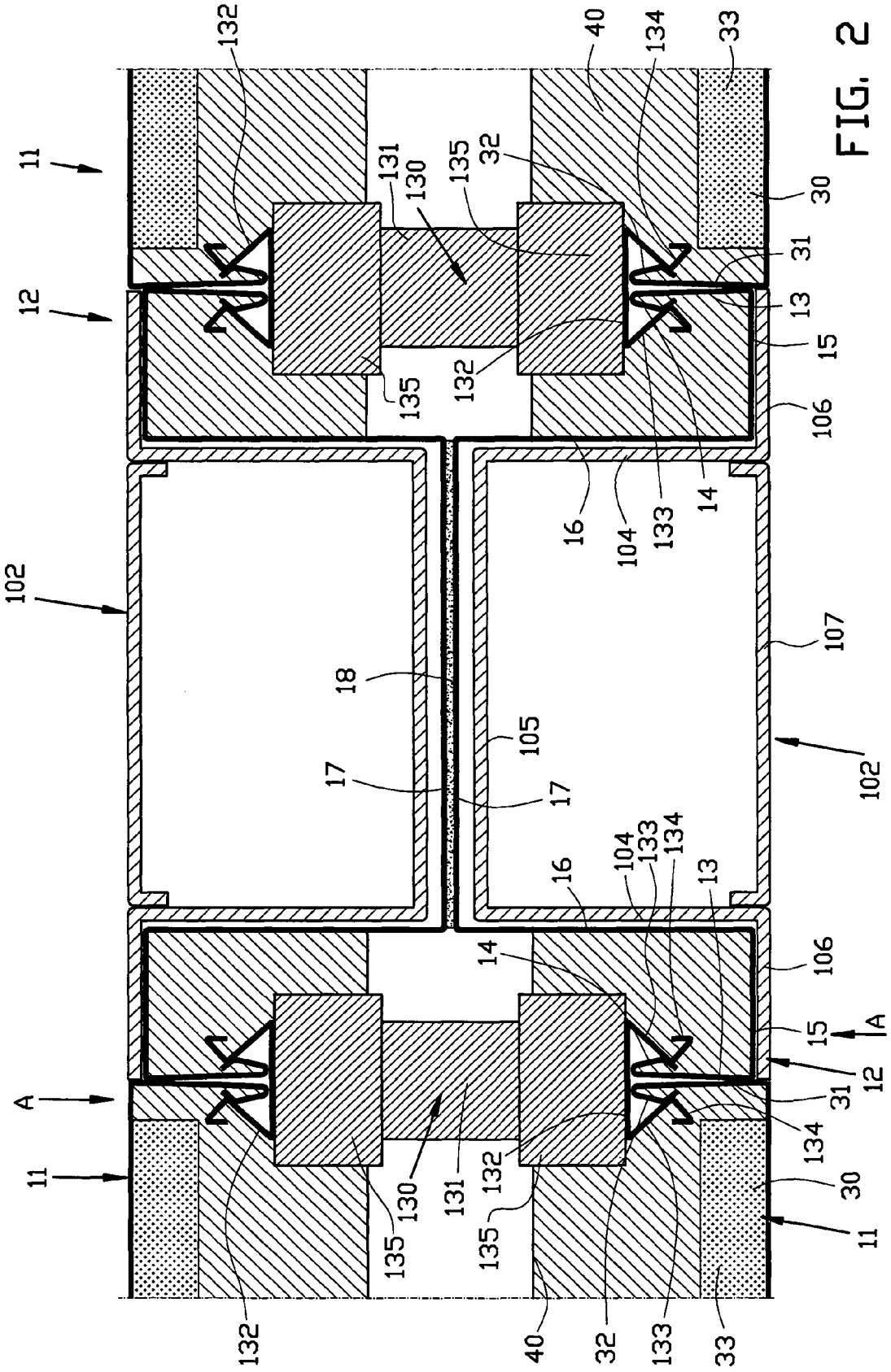
11
12
102
A
132
131
130
135
32
40
134
33
30
31
13
15
106
16
104
133
14
18
105
17
107
A

FIG. 2

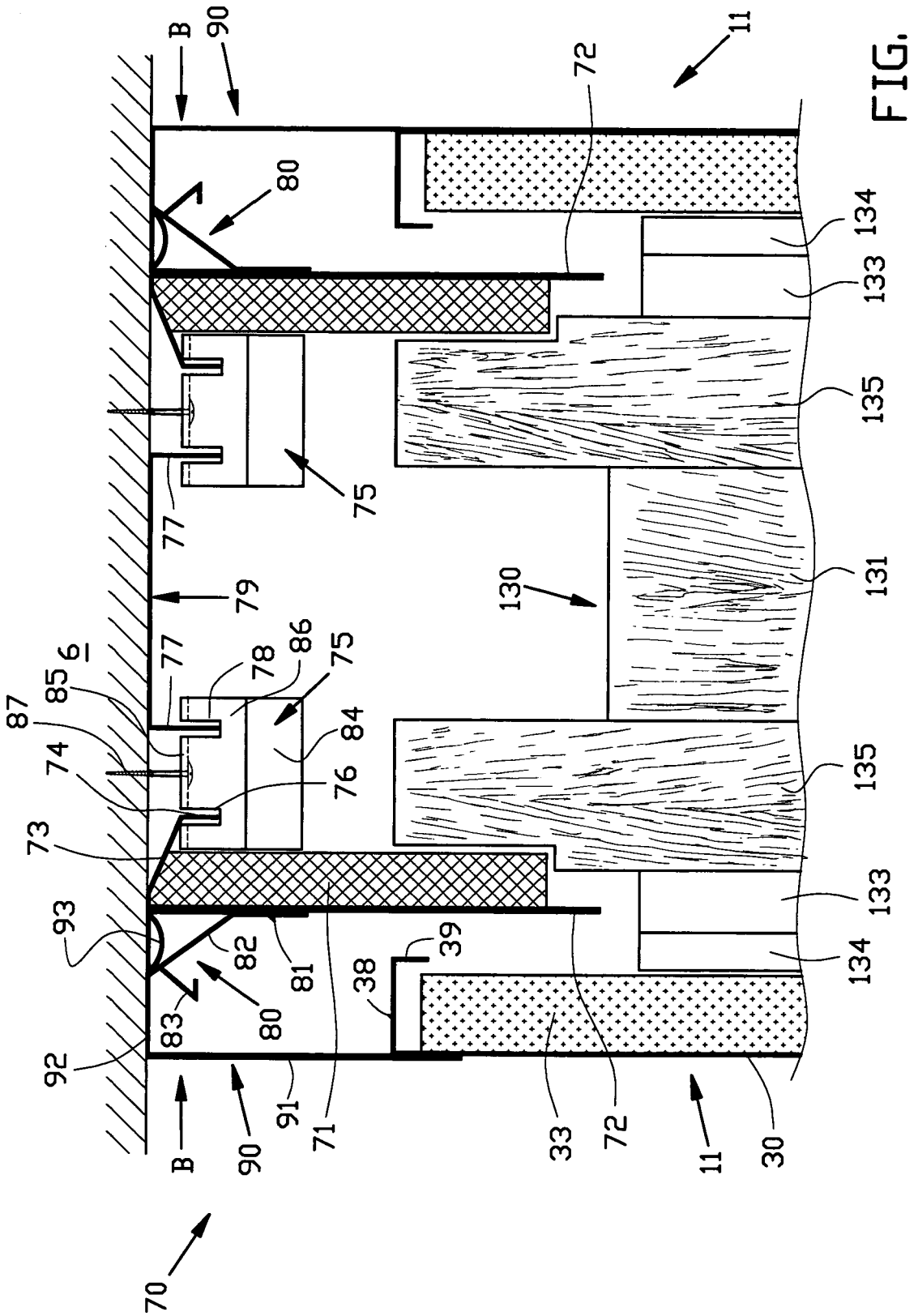
B
90
11
72
80
134
133
135
75
77
79
130
131
6
85
87
74
73
86
78
84
76
93
82
81
39
38
83
92
91
71
33
30
70

FIG. 3

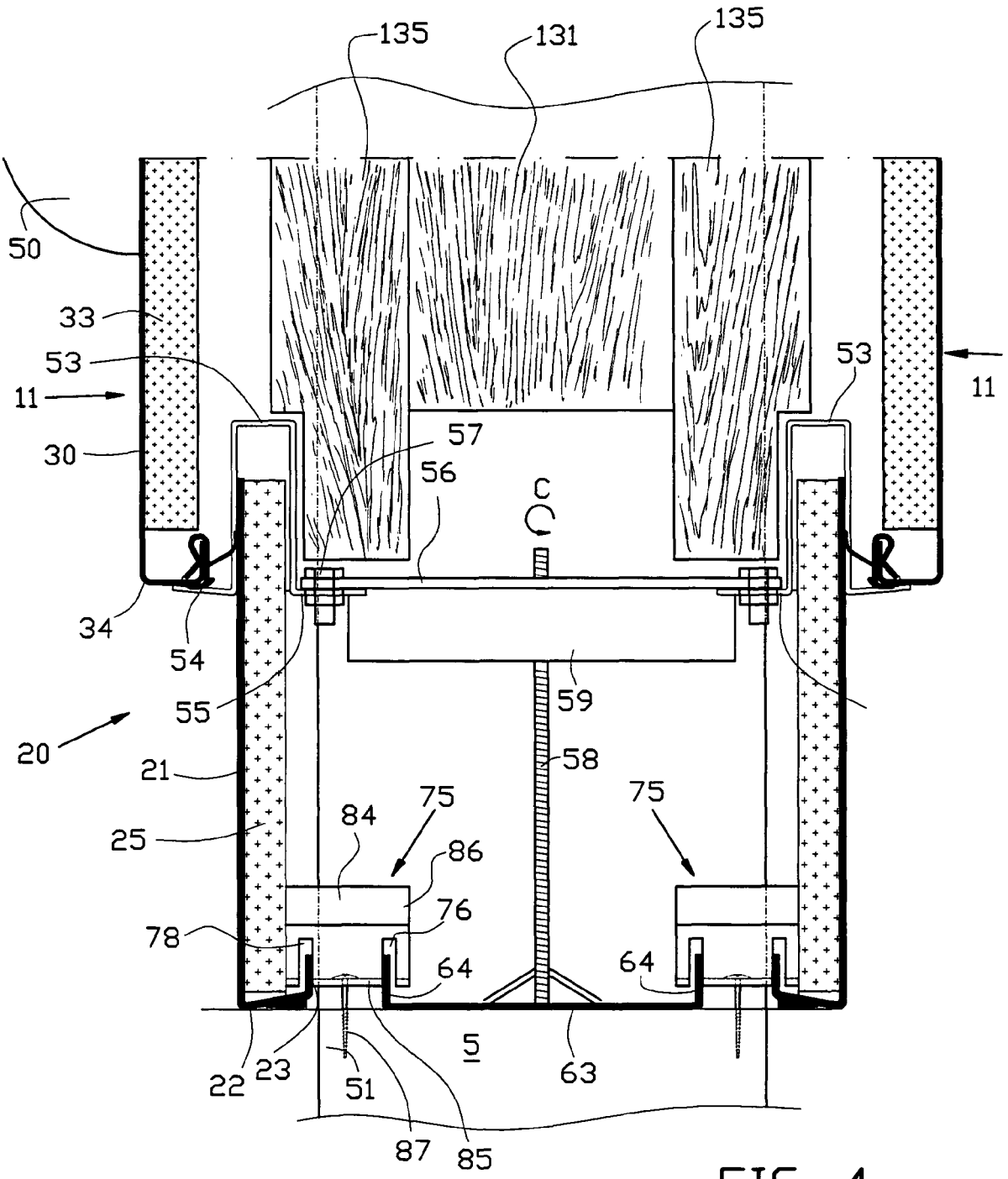
135
131
135
50
33
53
11
30
57
56
C
53
11
34
54
55
59
20
58
21
75
75
84
25
86
76
78
64
64
5
22
23
51
63
87
85

FIG. 4

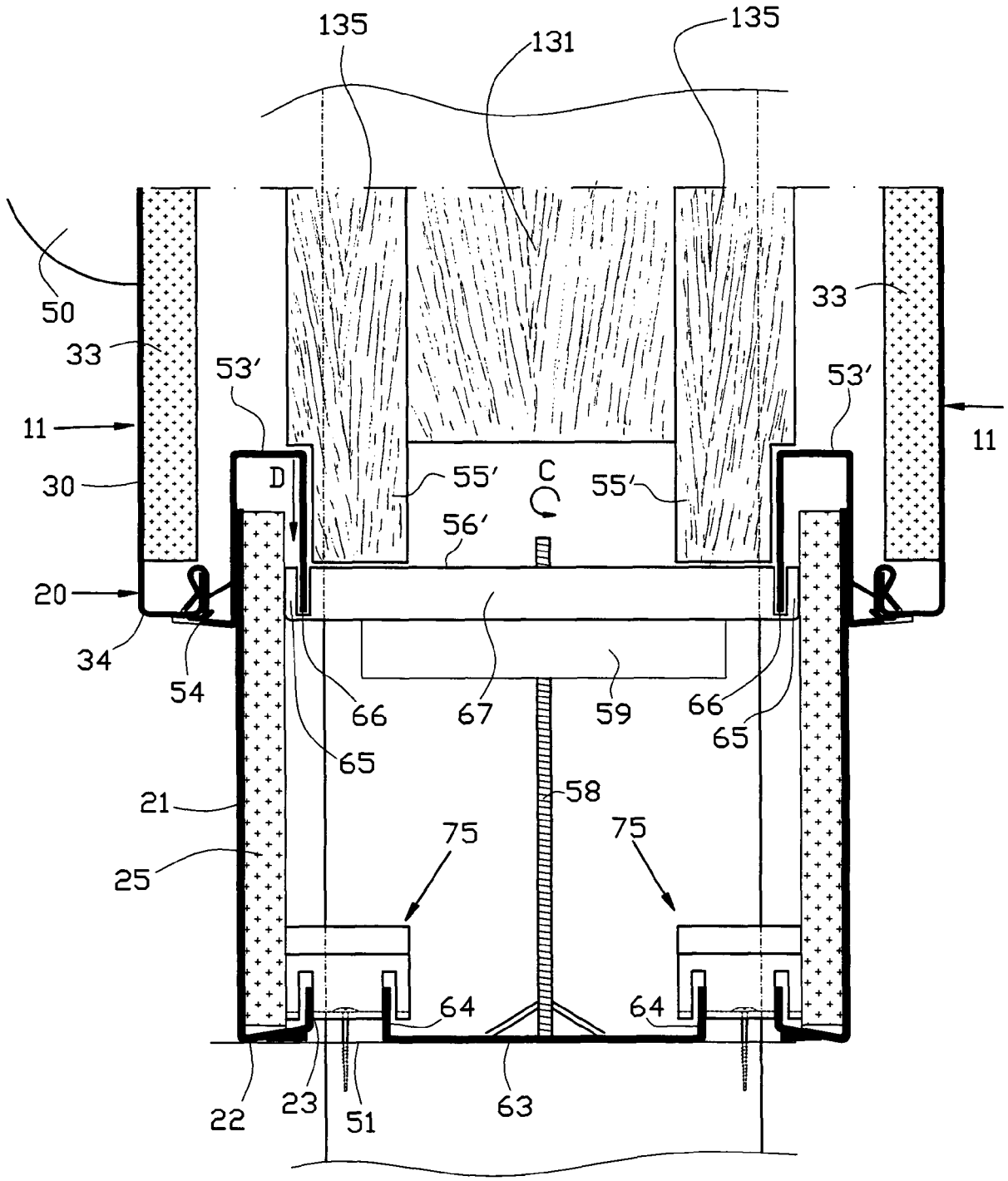
135
131
135
50
33
53'
11
30
D
55'
C
55'
56'
33
53'
11
20
34
54
66
67
59
66
65
65
21
58
25
75
75
64
64
22
23
51
63

FIG. 5