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(54) **A PACKAGING FOR INSTALLATION ELEMENTS FOR A ROOF WINDOW, AND METHOD OF PROVIDING SUCH A PACKAGING**

VERPACKUNG FÜR EIN DACHFENSTEREINBAUELEMENT UND VERFAHREN ZUR BEREITSTELLUNG EINER SOLCHEN VERPACKUNG

EMBALLAGE POUR ÉLÉMENTS D'INSTALLATION POUR UNE FENÊTRE DE TOIT, ET PROCÉDÉ DE FOURNITURE D'UN TEL EMBALLAGE

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EP 4 118 001 B1

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Description

[0001] The present invention relates to a packaging for roof window installation elements, said packaging comprising a main body formed from a sheet material, such as corrugated cardboard, and comprising a base section adapted for supporting the packaging during unpacking, where a base plane extends in parallel to the base section. The invention further relates to a packed kit of installation elements.

[0002] Such a packaging is known from EP1710163A1, where a set of flashing elements for a roof window are organized within the packaging by some of the elements being attached to the base section by means of an adhesive or glue and by holders attached to the base section preventing some of the elements from moving in at least two directions. This packaging has worked very well, but it is not particularly well suited for smaller components. Moreover, it remains a problem that installation elements are sometimes used in the wrong order or combined wrongly or that some of the necessary installation elements are simply forgotten, particularly by less experienced installers.

[0003] A packaging better suited for containing smaller components in that it comprises at several compartments arranged side-by-side when seen in along the base plane is known from EP3385182A1. In this packaging one common outer lid covers all compartments and delimits an upper comparts. All other compartments are covered by secondary lids, which can only be opened once the common lid has been opened and the items stored in the upper compartment have been removed. This packaging has clear advantages with respect to ensuring that the items contained in the compartments are used in the right order, but the material consumption is high, which is disadvantageous both from an environmental point of view and from an economical point of view.

[0004] It is therefore the object of the invention to provide an alternative packaging for installation elements for a roof window which contributes to increasing the likelihood of the roof window being mounted with all the correct installation elements and in the right order.

[0005] This is achieved with a packaging according to claim 1, which comprises two or more compartments arranged side-by-side and several lids and/or lid sections each associated with one of these compartments, said lids and/or lid sections being configured for being opened one by one, and said lids and/or lid sections each being a part of the main body, where a first compartment being configured for containing installation elements for use in securing a frame of a roof window to a roof structure, and where a second compartment being configured for containing installation elements for weatherproofing a joint between a roof window and a roof structure, and wherein lids and/or lid sections are ranked in order of an intended opening sequence.

[0006] With this packaging all of the installation elements needed for the installation of a roof window can

be delivered in one packaging, thereby removing both the risk of the installer picking a wrong combination of for example mounting brackets and flashing elements and the risk of some of the elements being forgotten.

[0007] The provision of separate compartments and several ranked lids or lid sections, each covering a compartment in a closed state, means that for example a compartment containing flashing elements, which are to be used in the finishing weatherproofing of the joint between the roof window and the roof structure, is not opened until the window frame has been securely attached to the roof structure. This not only reduces the risk of elements being used in the wrong order, it also reduces the risk of elements being lost, for example being dropped from the roof or blown away by wind while the installer is busy handling other installation elements.

[0008] By several, possibly even all, lids and/or lid sections each being a part of the main body, the amount of material used for the packaging can be kept at a minimum. Furthermore, the lids and/or lid sections each being a part of the main body means that they are visible to the installer in the state of delivery of the packaging, which may contribute to making it clear, what is contained in the packaging. This may not only help the installer pick the right packaging, but may also help him arrange the packaging optimal with respect to allowing the packaging to serve as a tool box for an installer when working on a roof with the installation of a roof window or a product associated therewith.

[0009] Each compartment may be covered by a separate lid, but it is also possible that one or more lids is/are divided into two or more sections, which can be lifted one by one. Lid sections may be separated by embossed lines or weakenings of the material, such as the material being partially cut through, these lines or weakenings allowing one section to be opened while the next stays in place. Lid sections may, however, also be separated simply by printed lines or other visual indications, along which the installer must cut or tear before opening a lid section.

[0010] Lines or weakenings may also function as hinges allowing an open lid or lid section to be swung open while another stays closed. Likewise, one lid does not necessarily cover a compartment entirely in a closed state, meaning that two or more separate lids may be used for covering one compartment.

[0011] In addition to the lids and/or lid sections forming part of the main body of the packaging, it is also possible to use a separate element serving as a lid or lid section. Likewise, it is possible to combine such integrated lids and/or lid sections with separate lids and/or lid sections.

[0012] The ranking of the lids or lid sections may for example be achieved by arranging them in a sequence so that the installer would for example be starting from the left-hand side of the packaging and opening one lid at the time until reaching the right-hand side. If using lid sections, the ranking may be decided by the direction of opening, allowing only one possible sequence.

[0013] It is, however, also possible to use a visual indication such as numbering, letters, arrows pointing to the next lid or lid section to be opened or the like. Such indications may be printed onto the surface of the packaging but could also be embossed or cut into the material of thereof. Alternatively, or as a supplement, tactile indications such as guiding lines having a different surface structure, projecting from, or being recessed in relation to the surface of the packaging could be employed.

[0014] The packaging may further comprise a third compartment being configured for containing installation elements for use in insulating a joint between a frame of a roof window and a roof structure. As such insulating elements will typically have to be installed before installation elements for weatherproofing a joint between a roof window and a roof structure, the lids and/or lid sections can be ranked so that the third compartment is opened before the second compartment. The indications "first compartment", "second compartment", "third compartment" etc. are thus not necessarily to be regarded as a ranking indicating an intended opening sequence.

[0015] In one embodiment, the first compartment is configured for containing mounting brackets and possibly fasteners for securing the brackets to a frame of a roof window and/or to a roof structure, the second compartment is configured for containing flashing elements for covering a joint between a roof window and a roof structure, and the third compartment is configured for containing insulating members for insulating a space between a frame of a roof window and a roof structure and possibly an underroof collar for spanning between a frame of a roof window and an underroof of a roof structure. This potentially allows for all of the installation elements to be used when installing a roof window to be provided in one packaging.

[0016] Generally speaking, the compartments of a packaging according to the invention may be configured for containing installation elements chosen from the group comprising: mounting brackets, flashing elements, cladding elements, covering elements, insulating members, an underroof collar, a vapour barrier, fasteners, and tools for use in the installation of a roof window or the making of an opening in a roof structure.

[0017] In one embodiment, the packaging further comprises a lock structure configured for hindering opening of at least one of the lids or lid sections as long as a higher-ranking lid or lid section remains un-opened. An example of such a lock structure is to make a portion of a higher ranking lid or lid section cover a part of a lower ranking lid or lid section so that the lower ranking lid or lid section can only be accessed after removal of the higher ranking lid or lid section.

[0018] It is possible to have at least two compartments arranged on top of each other when seen perpendicular to the base plane. In that case a lower compartment may for example be reached via a lid at the bottom of an upper compartment, which will only be accessible once the upper compartment has been emptied, the upper compart-

ment thus serving as a lock structure. It is, however, also possible to provide a lid or lid section in a side section of the packaging extending away from the base section, so that a lower compartment may be opened from the side.

5 When the lid or lid section providing access to a lower compartment is found in a side section it may be advantageous to provide the contents of the compartment on a drawer-like structure, such as a sheet of cardboard. In this way the entire content may be pulled out of the compartment relatively easily will still being located conveniently on a support surface.

[0019] In order to further facilitate the installation of a roof window, the packaging containing installation elements for use in the installation may further comprising at least one handle. This will make it easier to handle the packaging, not least when having to carry it onto a roof.

[0020] To reduce the risk of the installer cutting his hand or fingers on items inside the packing, such as for example sharp edges of flashing members, and/or to reduce the risk of items in the packaging falling out or being damaged, the handle may be attached to a main body of the packaging at a position, where the main body is substantially uninterrupted. In other words, the handle is a separate element attached to the main body rather than a bent-out flap of the sheet material of the main body.

[0021] In one embodiment the packaging comprises at least one fixation flap configured for coming into engagement with a roof structure. With this flap the packaging may be fixated in relation to the roof structure once it has been carried onto the roof. This helps if the packing is to serve as a temporary toolbox presenting the installation elements in an easily manageable way where they are easy to reach, and potentially also to serve as a secure place to put tools to be used during installation.

35 **[0022]** The fixation flap(s) may be a section or sections of the sheet material of the packaging, which is configured for being folded away from a main body, for example being separated from the rest of the main body by perforations such that it/they can be loosened by hand. A lid or lid section or a handle may also serve as fixation flap.

40 **[0023]** The/each fixation flap may comprise an opening, an embossment, a printed indication or the like adapted for assisting in the fixation of the fixation flap to a roof structure, for example being adapted for allowing a nail or a staple to be passed through the flap and into a batten or like member of the roof structure. One or more fixation flaps may be configured for engaging with a lath or the like at a side surface thereof extending substantially perpendicular to the plane of an inclining roof structure so that it/they contribute(s) to preventing the packaging from sliding off the roof under the influence of gravity.

45 **[0024]** In roof structures including rafters and laths for supporting a roofing material the distance between laths may vary depending for example on the roofing material used and local tradition. In order to allow the packaging to be resting securely on such roof structures, a plurality of fixation flaps and/or a plurality of openings, embossments, printed indications or the like on a/each fixation

flap may be provided. This allows the installer to choose the one(s) matching the roof structure in question, leaving the rest un-used.

[0025] Regardless if the packaging is provided with flaps and/or handles or not, it may be used as temporary tool-box for an installer working on a roof, providing the installer with a safe place to put tools and other items.

[0026] It is also possible to use one or more compartments, which have been emptied, for storing trash, such as bags, strips, and protective films used for protecting or keeping component in place during transportation of the packaging. When the work on the roof is done, the packaging can then simply be closed and taken down from the roof for recycling or disposal. In one embodiment, different rooms in the packaging is used for different types of trash, such as paper and plastic, thereby facilitating recycling.

[0027] A second aspect of the invention relates to a packed kit of installation elements for a roof window where the installation elements are arranged in two or more compartments of a packaging according to the first aspect.

[0028] A third aspect of the invention relates to a method of providing a packaging for roof window installation elements.

[0029] A fourth aspect of the invention relates to a method of providing a packed kit of installation elements for a roof window.

[0030] Embodiments described with reference to the first aspect of the invention also applies to the second and third aspects of the invention and vice versa unless otherwise stated.

[0031] In the following the invention will be described in further detail with reference to the drawing, where

Fig. 1 is a sketch of a first embodiment of a packaging according to the invention in a perspective view,
 Fig. 2 shows the packaging in Fig. 1 arranged on a roof next to a roof window frame,
 Fig. 3 is a sketch of a second embodiment of a packaging according to the invention in a perspective view,
 Fig. 4 is a sketch of a third embodiment of a packaging according to the invention in a perspective view,
 Fig. 5 is an illustration of different combinations of smaller boxes resulting in a packaging according to the invention,
 Fig. 6 is a sketch of a fifth embodiment of a packaging according to the invention in a perspective view, and
 Fig. 7 shows the packaging in Fig. 6 arranged on a roof next to a roof window frame.

[0032] A packaging 1 for installation elements for a roof window is shown in Fig. 1. It is shown as a simple box, but it is to be understood that it is formed from a sheet material, such as corrugated cardboard, as is well-known from prior art packaging, said sheet material constituting

a main body 2 of the packaging.

[0033] As is also seen in Fig. 2, the packaging comprises three compartments 10, 20, 30, and the compartments are ranked in order of an intended opening sequence by being provided with a visual indication in the form of the numbers "1", "2", "3", respectively.

[0034] Each compartment 10, 20, 30 is covered by a respective lid section 11, 21, 31 and a base section 7 forms the bottom of the packaging. The base section is adapted for supporting the packaging during unpacking and in Figs 1 and 2 the packaging is therefore shown resting on the base section. The section 13 of the base section forming the bottom of the first compartment 10 is seen in Fig. 2, as the first compartment has been shown empty, and a partition 14 separating the first compartment 10 from the third compartment 30 is also seen. The compartments are further delimited by respective side sections 12, 22. It is to be understood that similar side sections are found on the two sides of the packaging 1, which are not visible in Figs 1 and 2, so that the packaging is closed on all sides, and that the second compartment 20 is also separated from the other compartments by a partition. In this embodiment both the side sections 12, 22 and the partition 14 extend substantially perpendicular to a base plane 0, which extends in parallel to the base section 7, but this need not be the case.

[0035] In this embodiment the lids sections 11, 21, 31 are sections of one piece of sheet material, which is configured for being interrupted along the lines seen on the top of the packaging in Fig. 1 so that the lid sections can be opened one by one. When all lid sections have been opened, the packaging will be in the state shown in Fig. 2.

[0036] Alternatively, the packaging could be provided with separate lids each covering a compartment so that it would not be necessary to separate one lid section from another before being able to open the respective compartment.

[0037] As may be seen in Fig. 2, the separate compartments with separate lid sections means that when the packaging 1 has been arranged on a roof 8, it can serve as a tool box for an installer working with the installation of a roof window, here represented by a roof window frame 9. In the present case the compartment 10 marked "1" is configured for containing insulating elements, the compartment 20 marked "2" contains mounting brackets and screws for use in securing the brackets to the window frame 9 and the roof 8, and the compartment 30 marked "3" contains flashing elements for use in weatherproofing the joint between the roof window and the roof structure. The compartment 10 is shown empty as the insulating elements 91 were installed in the opening in the roof 8 prior to arranging the roof window frame 9.

[0038] In Fig. 2 all three lid sections 11, 21, 31 are shown open in order to illustrate how the packaging looks in the fully opened state, but it is to be understood that the compartment 30 is intended to remain closed until the compartment 20 has been emptied. In this example this sequence of opening will ensure that the flashing

elements are not installed until the mounting brackets have been used, thus contributing to ensuring that the roof window frame 9 is secured correctly to the roof structure before being hidden underneath the flashing elements.

[0039] In case more compartments are needed in order to facilitate the installation of the roof window, further compartments can be provided, such as a compartment marked "4" (not shown) containing an underroof collar and a compartment marked "5" (not shown) containing a vapour barrier.

[0040] Alternatively, a packaging like the one in Fig. 3 or 4 may be used, both of which comprise five separate compartments marked with the letters "A", "B", "C", "D", and "E", respectively.

[0041] While the three compartments 10, 20, 30 of the packaging in Figs 1 and 2 are all arranged side-by-side when seen along the base plane 0, the compartments of the packagings in Figs 3 and 4 are arranged in two levels on top of each other when seen perpendicular to the base plane 0. The upper compartments 10, 20, 30 in Figs 3 and 4 correspond to the compartments of the packaging in Figs 1 and 2 both in size and shape and are configured for the same purposes. The lower compartments 40, 50 closest to the base section or bottom of the packaging are configured for containing an underroof collar and for containing covering and cladding elements, respectively. As the underroof collar in the compartment 40 needs to be installed before the flashing elements in the compartment 30, it is necessary to open the compartments in that sequence. This means that the compartment 40, which is located in the lower level of the packaging, will be opened before the compartment 30 in the upper level, as indicated by the letter sequence A, B, C, D, E.

[0042] Access to the compartments 40, 50 in the lower level may be gained in different ways including using the bottom of a compartment in the upper level as a lid or lid section for a compartment in the lower level. As an example, the removal of the bottom of the compartment 20 in Fig. 3 would provide access to the compartment 40 below. Alternatively, or as a supplement, access may be gained via a side section, and in Fig. 3 the letters indicating the intended opening sequences have been placed on the surfaces, where the lids/lid sections are found. The compartments 40, 50, where access is through a side section of the main body, may be provided with a drawer-like structure (not shown), such as a sheet of cardboard, so that the content may be pulled out of the compartment on said structure. By leaving the drawer-like structure on a section 81 of the roof 8 between the packaging 1 and the roof window frame 9 (cf. Fig. 2), it may serve as a supplement to the packaging, providing an extra work-space for the installer, for example giving him a place to put down tools when not in use. It may even be advantageous to open a lower compartment first in order to quickly establish such a work-space.

[0043] In order to facilitate the opening of the packaging, one or more lids or lids sections may be provided

with tabs 15, 25, 45 or cut-outs 56 as shown in Fig. 4. These tabs and/or cut-outs may help the installer to see, where the compartment is to be opened and/or help him get a good grip on the lid/lid section.

[0044] Tabs may further serve as lock structures configured for hindering opening of at least one of the lids or lid sections as long as a higher-ranking lid or lid section remains un-opened. In the embodiment in Fig. 4, the tabs 15 on the lid 11 and the tab 25 on the lid 21 overlap the lid 31 so that the compartment 30 covered by this lid cannot be opened until compartments 10 and 20 have been opened. Similarly, the tab 45 on lid 41 overlaps lid 51 so that compartment 50 cannot be opened until compartment 40 has been opened. A similar lock structure may be achieved by means of an adhesive tape or the like.

[0045] The cut-outs 56 in lid 51 are here cuts, which are made in the sheet material from which the packaging is made, and which allow flaps to bent inwards into compartment 50, thereby creating an opening, which can be used as a handle. The cuts do not need to go all the ways through the sheet material. It may be sufficient to just weaken the material so that the rest may be broken by hand. Alternatively, a part of the sheet material may be cut away, so that a handle opening is present at delivery, thereby eliminating the need for bending a flap away.

[0046] Fig. 5 illustrates how a packaging with three or more compartments may be made by combining and interconnecting two or more smaller boxes. This will allow standard components to be packed separately and combined according to customer demands.

[0047] In the example shown, the boxes to the left marked W, L, and J comprise a single compartment and contain three different types of flashing assemblies, i.e. installation elements for weatherproofing a joint between a roof window and a roof structure, for example the flashing assemblies sold by VE-LUX® under the product names EDW, EDL, and EDJ.

[0048] The boxes at the centre in Fig. 5 each comprises several compartments containing different installation elements, and by combining one or more of them with one of the boxes to the left, as illustrated by the arrows, custom made product as the ones illustrated to the right may be provided. This means that if a customer orders a particular type of window for installation in a particular type of roof and in a particular climate zone, an appropriate selection of installation elements can be provided in a single packaging by picking and combining pre-packed boxes, thus allowing a quick and simple delivery.

[0049] In the example shown with single-line arrows in Fig. 5 the box marked W and containing an EDW flashing assembly adapted for use with a roof window mounted in a traditional manner in a tile roof is combined with a two-compartment box containing an insulating assembly in the compartment marked I and a set of standard mounting brackets in the compartment marked MS. In the resulting packaging shown to the right, the two-compartment box is arranged on top as the element contained

therein will normally be used before the flashing assembly.

[0050] In the example shown with double-line arrows in Fig. 5 the box marked L and containing an EDL flashing assembly adapted for use with a roof window mounted in a traditional manner in a slate roof is combined with a three-compartment box. This box contains an insulating assembly in the compartment marked I, a set of standard mounting brackets in the compartment marked MS, and an underroof collar in the compartment marked U.

[0051] In the example shown with triple-line arrows in Fig. 5 the box marked J and containing an EDJ flashing assembly adapted for use with a roof window mounted deep in a tile roof is combined with two two-compartment boxes. The first two-compartment box contains an insulating assembly in the compartment marked I, and a set of mounting brackets for deep installation in the compartment marked MD. The second two-compartment box contains an underroof collar in the compartment marked U and a vapour barrier in the compartment marked V. In the resulting packaging shown to the right, the three boxes are arranged on top of each other in the order in which the elements therein are normally to be used, so that the installer mounting them can start from the top and work his way down.

[0052] Several other combinations of boxes are possible as will be readily understood by the skilled person, and it is to be understood that the combinations of compartments and the relative sizes of the compartments shown in Fig. 5 are only for illustration purposes and may be different in real life products.

[0053] Boxes as the ones illustrated in Fig. 5 may for example be interconnected by means of straps, strips, strings, or tape, but it is also possible to use glue or an adhesive. It may also be advantageous to employ combinations, for example using a hot-melt glue for an initial interconnection and strips for a more secure fixation of the boxes in relation to each other before shipping.

[0054] A packaging as the one shown in Fig. 3 or 4 may also be made by combining boxes as described with reference to Fig. 5, for example by providing the compartments marked "B" and "C" in one box and the compartment marked "A", "D", and "E" in another box, or by providing the compartments marked "A", "B", and "D" in one box and the compartment marked "C" and "E" in another box. As both boxes will include two or more compartments in these examples, both may be regarded as comprising a main body, and in the latter example both boxes will in themselves constitute a packaging according to claim 1.

[0055] In order to facilitate handling of the packaging it may be provided with at least one handle 6 as shown on the embodiment in Fig. 6. Here the handle is a flap of material cut and bend out from a side section of the packaging leaving a section 61 of reduced thickness, but the handle could also be a piece of material attached to the main body leaving the main body substantially uninterrupted. Such a piece of material can be attached to the

packaging by means of for example glue, adhesive, staples, or rivets (not shown).

[0056] The packaging in Fig. 6 is further provided with a first pair of fixation flaps 71 configured for being attached to a roof structure 8 as shown in Fig. 6. Due to the length of the first fixation flaps relative to the distance between the laths of the roof structure, the first fixation flaps are sure to be positioned above at least one lath to which it can be attached, in this case the lath marked with 82. The attachment to the lath, which may for example be achieved by means of staples, ensures that the packaging does not slide off the roof, even during heavy winds, and the fact that there are two flaps means that the packaging is also prevented from turning.

[0057] The first set of fixation flaps may be embodied in the same ways as described for the handle 6, i.e. as a separate piece of material attached to the main body of the packaging or as a bent-out flap. A lid or lid section such as the lid 51 in Fig. 4 may also be used for this purpose.

[0058] The first fixation flaps may be provided with openings, embossments, printed indications or the like configured for assisting the installer in attaching the packaging to the roof structure, for example by providing a visual indication of how the respective flap is positioned in relation to a lath.

[0059] The packaging in Fig. 6 further includes a second set of fixation flaps 72, each of which are formed from a section of the main body, which has been folded away from the main body. In this case the flaps have been bent out from the bottom section 7, but they could also be bent out from one or more side sections 12,22. As an example, the lid 41 in Fig. 4 might be used for this purpose.

[0060] The second set of fixation flaps 72 are intended to project in between laths and to come into engagement with a side surface of a lath extending substantially perpendicular to the plane of an inclining roof structure 8 so that it contributes to preventing the packaging from sliding off the roof under the influence of gravity. In this case they are engaging with the lath marked 83 in Fig. 7.

[0061] As the distance between laths vary depending for example on the roofing material used and local tradition, a plurality of second fixation flaps may be provided allows the installer to choose the one(s) matching the roof structure in question.

[0062] It is noted that the handle 6 and flaps 71, 72 described with reference to Figs 6 and 7 serve independent purposes and the presence of one thus does not necessitate the presence of the other(s). Likewise, it is to be understood that such handles and/or flaps may also be present on packagings with other dimensions and/or configurations of the compartments and/or lids and/or lid sections than what is shown in Figs 6 and 7.

Claims

1. A packaging for roof window installation elements, said packaging comprising a main body (2) formed from a sheet material, such as corrugated cardboard, and comprising a base section (7) adapted for supporting the packaging during unpacking, where a base plane extends in parallel to the base section, where the packaging comprises at least two compartments (10, 20, 30) arranged side-by-side when seen along the base plane, and where the packaging comprises two or more lids and/or lid sections (11, 21, 31) each associated with one of these compartments, said lids and/or lid sections being configured for being opened one by one, characterized in that said lids and/or lid sections are each a part of the main body, in that a first compartment is configured for containing installation elements for use in securing a frame of a roof window to a roof structure, in that a second compartment is configured for containing installation elements for weatherproofing a joint between a roof window and a roof structure, and in that the lids and/or lid sections are ranked in order of an intended opening sequence.
2. A packaging according to claim 1, further comprising a third compartment being configured for containing installation elements for use in insulating a joint between a frame of a roof window and a roof structure.
3. A packaging according to claim 2, where the first compartment is configured for containing mounting brackets and possibly fasteners for securing the brackets to a frame of a roof window and/or to a roof structure, where the second compartment is configured for containing flashing elements for covering a joint between a roof window and a roof structure, and where the third compartment is configured for containing insulating members for insulating a space between a frame of a roof window and a roof structure and possibly an underroof collar for spanning between a frame of a roof window and an underroof of a roof structure.
4. A packaging according to one or more of claims 1-3, further comprising a lock structure configured for hindering opening of at least one of the lids or lid sections as long as a higher-ranking lid or lid section remains un-opened.
5. A packaging according to one or more of claims 1-4, where at least two compartments are arranged on top of each other when seen perpendicular to the base plane.
6. A packaging according to one or more of claims 1-5, further comprising at least one handle (6, 56).
7. A packaging according to claim 6, where the handle is attached to a main body of the packaging at a position, where the main body is substantially uninterrupted.
8. A packaging according to one or more of claims 1-7, further comprising at least one fixation flap (71) configured for coming into engagement with a roof structure, said fixation flap possibly being a section of the main body, which is configured for being folded away from the main body.
9. A packed kit of installation elements for a roof window where the installation elements are arranged in two or more compartments of a packaging according to one or more of claims 1-8.
10. A method of providing a packaging for roof window installation elements, comprising the steps of:
 providing a sheet material, such as corrugated cardboard, defining a base section (7) adapted for supporting the packaging during unpacking, where a base plane extends in parallel to the base section, and
 shaping said sheet material such that the packaging comprises a main body (2), two or more compartments (10, 20, 30) arranged side-by-side when seen along the base plane, and several lids and/or lid sections (11, 21, 31) each associated with one of the compartments, said lids and/or lid sections each being a part of the main body and being configured for being opened one by one, where a first compartment is configured for containing installation elements for use in securing a frame of a roof window to a roof structure, and where a second compartment is configured for containing installation elements for weatherproofing a joint between a roof window and a roof structure, and in that lids and/or lid sections are ranked in order of an intended opening sequence.
11. A method according to claim 10, comprising the steps of:
 providing a second packaging made from a sheet material, such as corrugated cardboard, and comprising at least one compartment configured for containing installation elements for use in securing a frame of a roof window to a roof structure, and
 connecting the second packaging to the packaging according to claim 1.
12. A method of providing a packed kit of installation elements for a roof window comprising the steps of:

providing a packaging in accordance with claim 10 or 11, and
arranging installation elements in two or more compartments of the packaging(s).

Patentansprüche

1. Verpackung für Dachfenstereinbauelemente, wobei die Verpackung einen Hauptkörper (2) aus einem Blattmaterial, wie z. B. Wellpappe, und einen Basisabschnitt (7) umfasst, der zum Tragen der Verpackung beim Auspacken eingerichtet ist, wobei sich eine Basisebene parallel zum Basisabschnitt erstreckt, wobei die Verpackung mindestens zwei Fächer (10, 20, 30) umfasst, die entlang der Basisebene gesehen nebeneinander angeordnet sind, und wobei die Verpackung zwei oder mehr Deckel und/oder Deckelabschnitte (11, 21, 31) umfasst, die jeweils einem dieser Fächer zugeordnet sind, wobei die Deckel und/oder Deckelabschnitte so ausgelegt sind, dass sie einzeln geöffnet werden können, **dadurch gekennzeichnet, dass** die Deckel und/oder Deckelabschnitte jeweils Teil des Hauptkörpers sind, dass ein erstes Fach dazu ausgelegt ist, Einbauelemente zur Verwendung beim Befestigen eines Rahmens eines Dachfensters an einer Dachstruktur aufzunehmen, dass ein zweites Fach dazu ausgelegt ist, Einbauelemente zum Abdichten einer Verbindung zwischen einem Dachfenster und einer Dachstruktur aufzunehmen, und dass die Deckel und/oder Deckelabschnitte in der Reihenfolge einer beabsichtigten Öffnungsreihenfolge angeordnet sind.
2. Verpackung gemäß Anspruch 1, ferner umfassend ein drittes Fach, das zum Aufnehmen von Einbauelementen zur Verwendung beim Isolieren einer Verbindung zwischen einem Rahmen eines Dachfensters und einer Dachstruktur ausgelegt ist.
3. Verpackung gemäß Anspruch 2, wobei das erste Fach dazu ausgelegt ist, Montagehalterungen und möglicherweise Befestigungselemente zum Befestigen der Halterungen an einem Rahmen eines Dachfensters und/oder an einer Dachstruktur aufzunehmen, wobei das zweite Fach dazu ausgelegt ist, Abdeckungselemente zum Abdecken einer Verbindung zwischen einem Dachfenster und einer Dachstruktur aufzunehmen, und wobei das dritte Fach dazu ausgelegt ist, Isolierelemente zum Isolieren eines Raums zwischen einem Rahmen eines Dachfensters und einer Dachstruktur und möglicherweise eine Unterdachmanschette zum Überbrücken zwischen einem Rahmen eines Dachfensters und einem Unterdach einer Dachstruktur aufzunehmen.
4. Verpackung gemäß einem oder mehreren der An-

sprüche 1-3, ferner umfassend eine Verriegelungsstruktur, die dazu ausgelegt ist, das Öffnen mindestens eines der Deckel oder Deckelabschnitte zu verhindern, solange ein höherrangiger Deckel oder Deckelabschnitt ungeöffnet bleibt.

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5. Verpackung gemäß einem oder mehreren der Ansprüche 1-4, wobei mindestens zwei Fächer rechtwinklig zur Basisebene gesehen übereinander angeordnet sind.
6. Verpackung gemäß einem oder mehreren der Ansprüche 1-5, ferner umfassend mindestens einen Griff (6, 56).
7. Verpackung gemäß Anspruch 6, wobei der Griff an einen Hauptkörper der Verpackung an einer Stelle befestigt ist, an der der Hauptkörper im Wesentlichen nicht unterbrochen ist.
8. Verpackung gemäß einem oder mehreren der Ansprüche 1-7, ferner umfassend mindestens eine Befestigungsklappe (71), die dazu ausgelegt ist, mit einer Dachstruktur in Eingriff zu kommen, wobei die Befestigungsklappe möglicherweise ein Abschnitt des Hauptkörpers ist, der dazu ausgelegt ist, vom Hauptkörper weg geklappt zu werden.
9. Verpackter Satz von Einbauelementen für ein Dachfenster, wobei die Einbauelemente in zwei oder mehr Fächern einer Verpackung gemäß einem oder mehreren der Ansprüche 1-8 angeordnet sind.
10. Verfahren zum Bereitstellen einer Verpackung für Dachfenstereinbauelemente, umfassend die folgenden Schritte:

Bereitstellen eines Blattmaterials, wie z. B. Wellpappe, das einen Basisabschnitt (7) definiert, der zum Stützen der Verpackung beim Auspacken eingerichtet ist, wobei sich eine Basisebene parallel zum Basisabschnitt erstreckt, und Formen des Blattmaterials so, dass die Verpackung einen Hauptkörper (2), zwei oder mehr Fächer (10, 20, 30), die entlang der Basisebene gesehen nebeneinander angeordnet sind, und mehrere Deckel und/oder Deckelabschnitte (11, 21, 31) umfasst, die jeweils einem der Fächer zugeordnet sind, wobei die Deckel und/oder Deckelabschnitte jeweils Teil des Hauptkörpers sind und so ausgelegt sind, dass sie einzeln geöffnet werden können, wobei ein erstes Fach zum Aufnehmen von Einbauelementen zur Verwendung beim Befestigen eines Rahmens eines Dachfensters an einer Dachstruktur ausgelegt ist und wobei ein zweites Fach zum Aufnehmen von Einbauelementen zum Abdichten einer Verbindung zwischen einem Dachfenster und

einer Dachstruktur ausgebildet ist, und dass Deckel und/oder Deckelabschnitte in der Reihenfolge einer beabsichtigten Öffnungsreihenfolge angeordnet sind.

11. Verfahren gemäß Anspruch 10, umfassend die folgenden Schritte:

Bereitstellen einer zweiten Verpackung, die aus einem Blattmaterial, wie z. B. Wellpappe, hergestellt ist und mindestens ein Fach umfasst, das dazu ausgelegt ist, Einbauelemente zur Verwendung beim Befestigen eines Rahmens eines Dachfensters an einer Dachstruktur aufzunehmen, und
Verbinden der zweiten Verpackung mit der Verpackung gemäß Anspruch 1.

12. Verfahren zur Bereitstellung eines verpackten Satzes von Einbauelementen für ein Dachfenster, umfassend die folgenden Schritte:

Bereitstellen einer Verpackung gemäß Anspruch 10 oder 11, und
Anordnen der Einbauelemente in zwei oder mehr Fächern der Verpackung(en).

Revendications

1. Emballage pour éléments d'installation de fenêtre de toit, ledit emballage comprenant un corps principal (2) formé d'un matériau en feuille, tel que du carton ondulé, et comprenant une section de base (7) adaptée pour supporter l'emballage durant le désemballage, où un plan de base s'étend en parallèle à la section de base, où l'emballage comprend au moins deux compartiments (10, 20, 30) agencés côte à côte en vue le long du plan de base, et où l'emballage comprend deux, ou plus, couvercles et/ou sections de couvercle (11, 21, 31), chacun(e) associé(e) à un de ces compartiments, lesdits couvercles et/ou lesdites sections de couvercle étant configuré(e)s pour être ouvert(e) s un(e) par un(e), **caractérisé en ce que** lesdits couvercles et/ou lesdites sections de couvercle sont chacun(e) une partie du corps principal, dans lequel un premier compartiment est configuré pour contenir des éléments d'installation destinés à être utilisés dans la fixation d'un châssis d'une fenêtre de toit à une structure de toit, dans lequel un deuxième compartiment est configuré pour contenir des éléments d'installation pour rendre un joint, entre une fenêtre de toit et une structure de toit, résistant aux intempéries, et dans lequel les couvercles et/ou sections de couvercle sont classé(e)s dans l'ordre d'une séquence d'ouverture prévue.

2. Emballage selon la revendication 1, comprenant en outre un troisième compartiment configuré pour contenir des éléments d'installation destinés à être utilisés dans l'isolation d'un joint entre un châssis d'une fenêtre de toit et une structure de toit.
3. Emballage selon la revendication 2, où le premier compartiment est configuré pour contenir des supports de montage et éventuellement des pièces de fixation pour fixer les supports à un châssis d'une fenêtre de toit et/ou à une structure de toit, où le deuxième compartiment est configuré pour contenir des éléments de solin pour couvrir un joint entre une fenêtre de toit et une structure de toit, et où le troisième compartiment est configuré pour contenir des éléments d'isolation pour l'isolation d'un espace entre un châssis d'une fenêtre de toit et une structure de toit et éventuellement un raccord de sous-toiture destiné à s'étendre entre un châssis d'une fenêtre de toit et une sous-toiture d'une structure de toit.
4. Emballage selon une ou plusieurs des revendications 1 à 3, comprenant en outre une structure de verrouillage configurée pour empêcher l'ouverture d'au moins un(e) des couvercles ou sections de couvercle du moment qu'un couvercle ou une section de couvercle de classement plus élevé reste non ouvert(e).
5. Emballage selon une ou plusieurs des revendications 1 à 4, où au moins deux compartiments sont agencés l'un par-dessus l'autre en vue perpendiculaire au plan de base.
6. Emballage selon une ou plusieurs des revendications 1 à 5, comprenant en outre au moins une poignée (6, 56).
7. Emballage selon la revendication 6, où la poignée est attachée à un corps principal de l'emballage à une position, où le corps principal est sensiblement ininterrompu.
8. Emballage selon une ou plusieurs des revendications 1 à 7, comprenant en outre au moins un rabat de fixation (71) configuré pour entrer en prise avec une structure de toit, ledit rabat de fixation étant éventuellement une section du corps principal, qui est configurée pour être dépliée du corps principal.
9. Kit emballé d'éléments d'installation pour une fenêtre de toit où les éléments d'installation sont agencés dans deux, ou plus, compartiments d'un emballage selon une ou plusieurs des revendications 1 à 8.
10. Procédé pour fournir un emballage pour des éléments d'installation de fenêtre de toit, comprenant les étapes de :

la fourniture d'un matériau en feuille, tel que du carton ondulé, définissant une section de base (7) adaptée pour supporter l'emballage durant le déemballage, où un plan de base s'étend en parallèle à la section de base, et

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la mise en forme dudit matériau en feuille de telle sorte que l'emballage comprenne un corps principal (2), deux, ou plus, compartiments (10, 20, 30) agencés côte à côte en vue le long du plan de base, et plusieurs couvercles et/ou sections de couvercle (11, 21, 31), chacun(e) associé(e) à un des compartiments, lesdits couvercles et/ou lesdites sections de couvercle chaque étant une partie du corps principal et étant configuré(e)s pour être ouvert (e) s un(e) par un(e), où un premier compartiment est configuré pour contenir des éléments d'installation destinés à être utilisés dans la fixation d'un châssis d'une fenêtre de toit à une structure de toit, et où un deuxième compartiment est configuré pour contenir des éléments d'installation pour rendre un joint, entre une fenêtre de toit et une structure de toit, résistant aux intempéries, et dans lequel des couvercles et/ou sections de couvercle sont classé(e)s dans l'ordre d'une séquence d'ouverture prévue.

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11. Procédé selon la revendication 10, comprenant les étapes de :

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la fourniture d'un second emballage fait d'un matériau en feuille, tel que du carton ondulé, et comprenant au moins un compartiment configuré pour contenir des éléments d'installation destinés à être utilisés dans la fixation d'un châssis d'une fenêtre de toit à une structure de toit, et la liaison du second emballage à l'emballage selon la revendication 1.

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12. Procédé pour fournir un kit emballé d'éléments d'installation pour une fenêtre de toit comprenant les étapes de :

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la fourniture d'un emballage conformément à la revendication 10 ou 11, et l'agencement d'éléments d'installation dans deux, ou plus, compartiments du ou des emballage(s).

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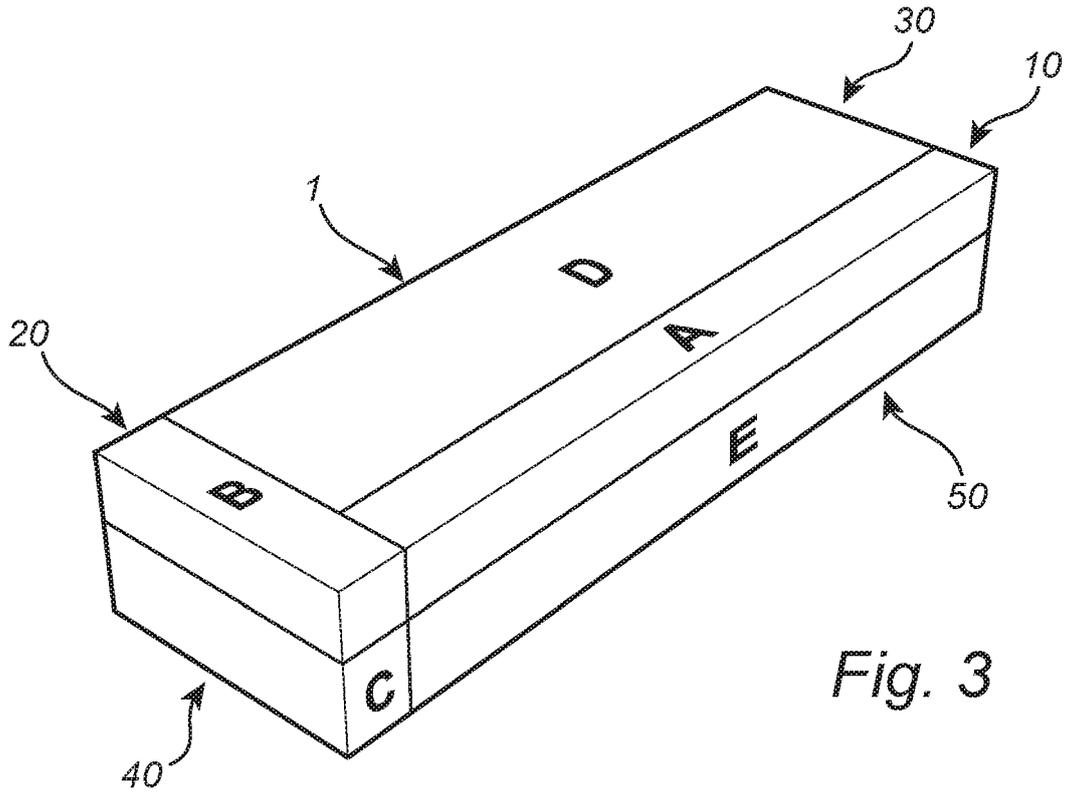


Fig. 3

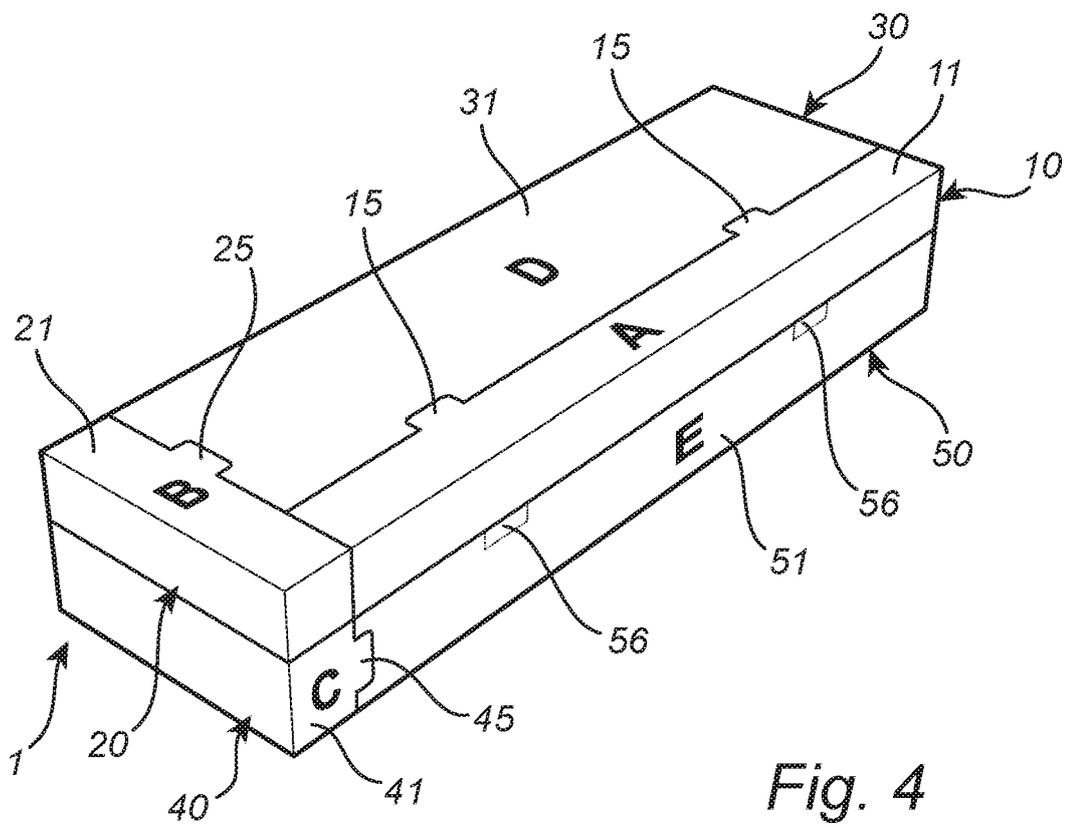


Fig. 4

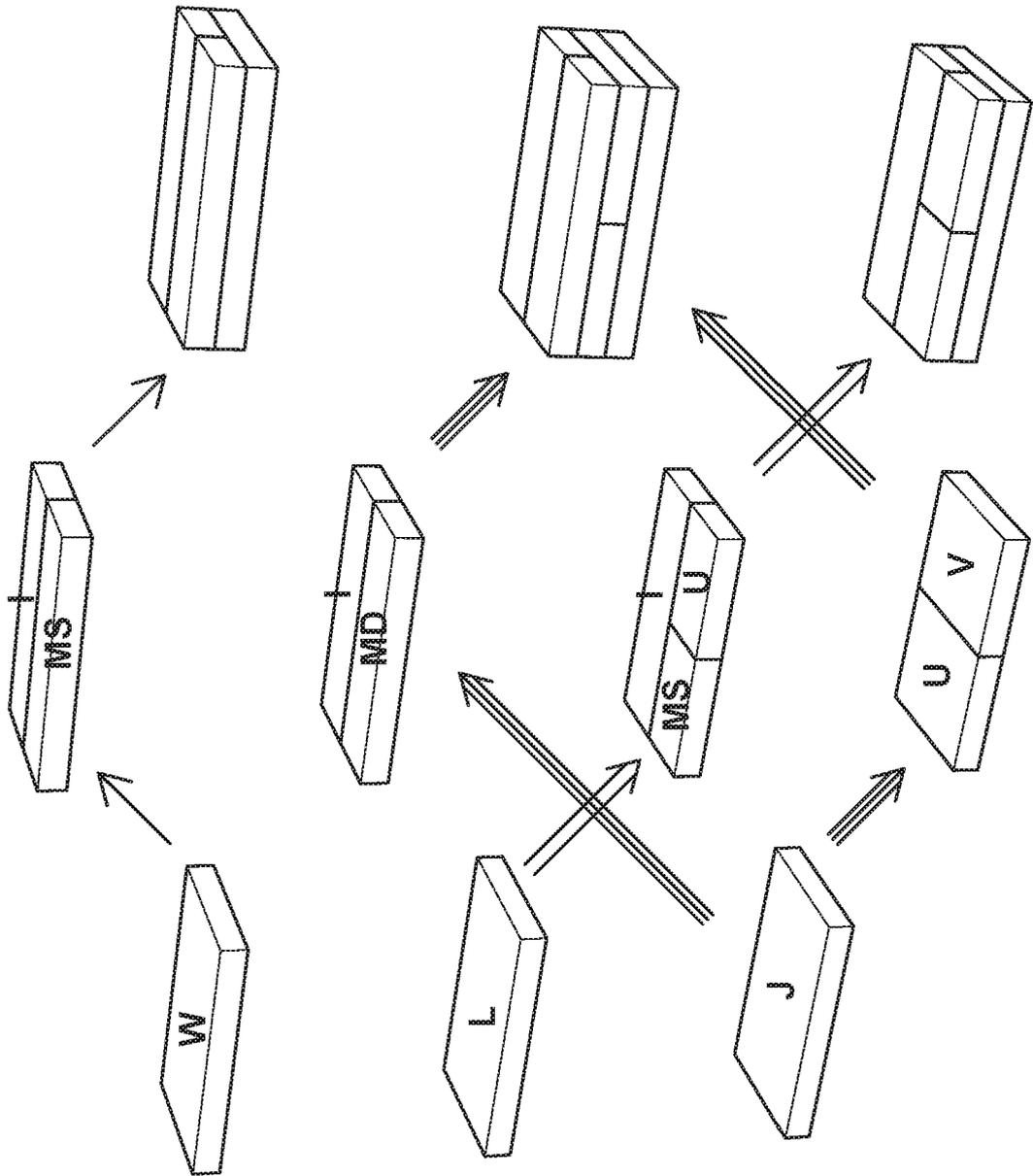


Fig. 5

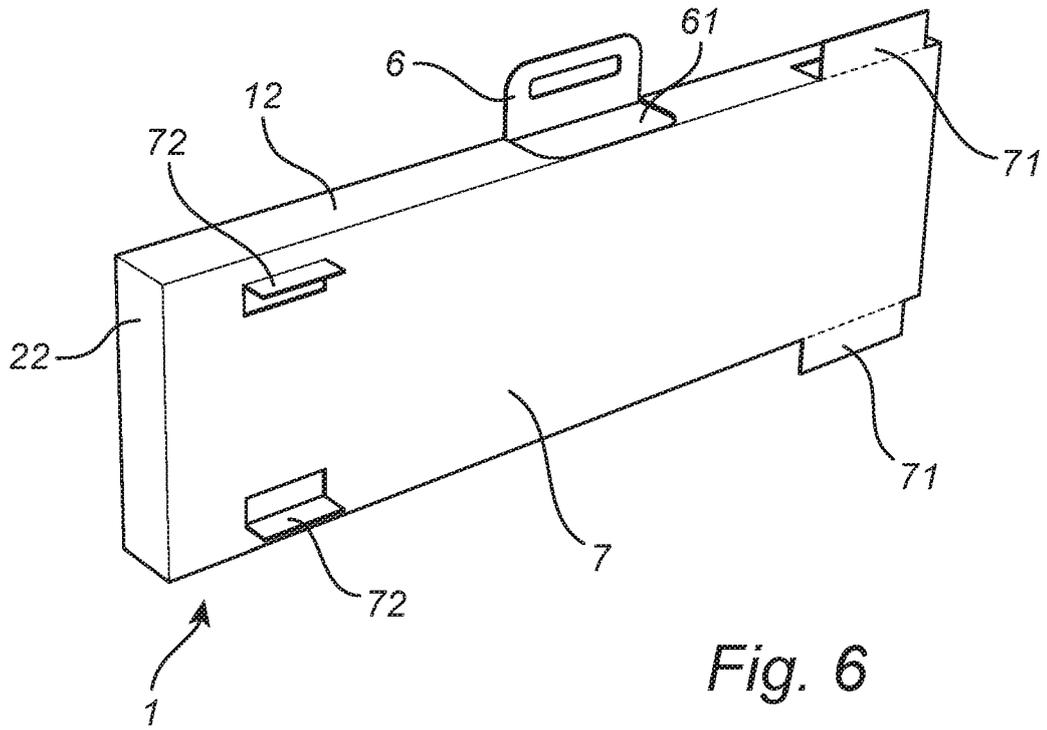


Fig. 6

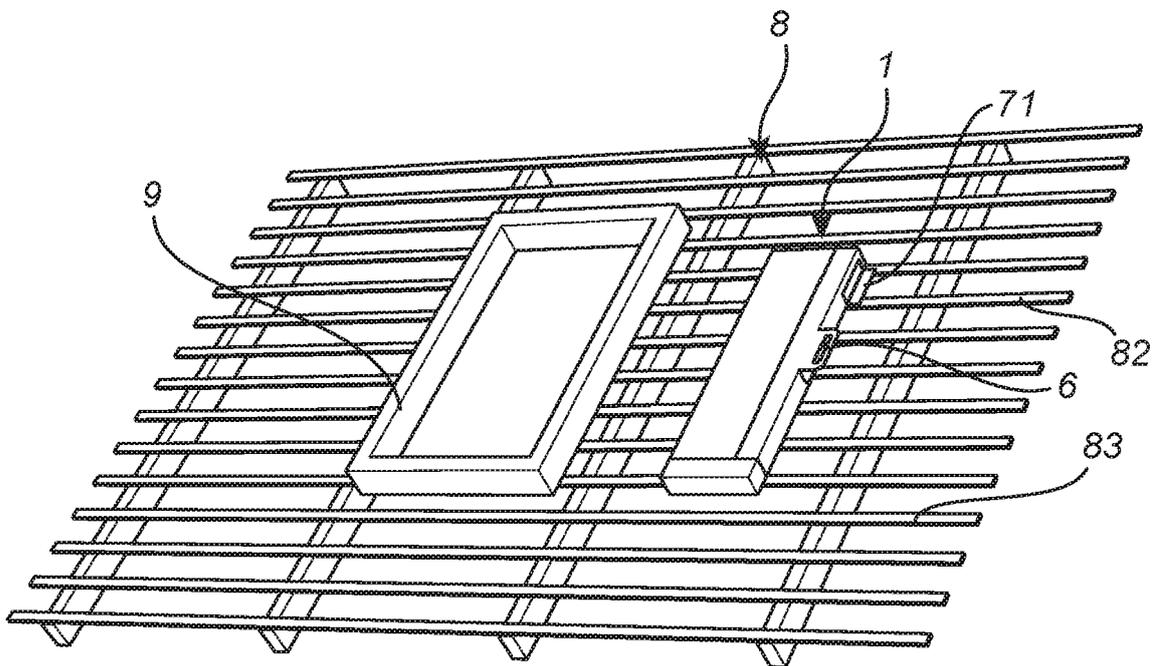


Fig. 7

REFERENCES CITED IN THE DESCRIPTION

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