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(54) **WALL COVERING**

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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

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A wall covering in the form of a bordure or a tile sticker that can be stuck onto a wall or tile surface. The wall covering is comprised of at least one supporting body with a visible front side and a back side. At least a portion of the visible front side comprises a printed lenticular foil and/or a lenticular foil with images stuck behind it.

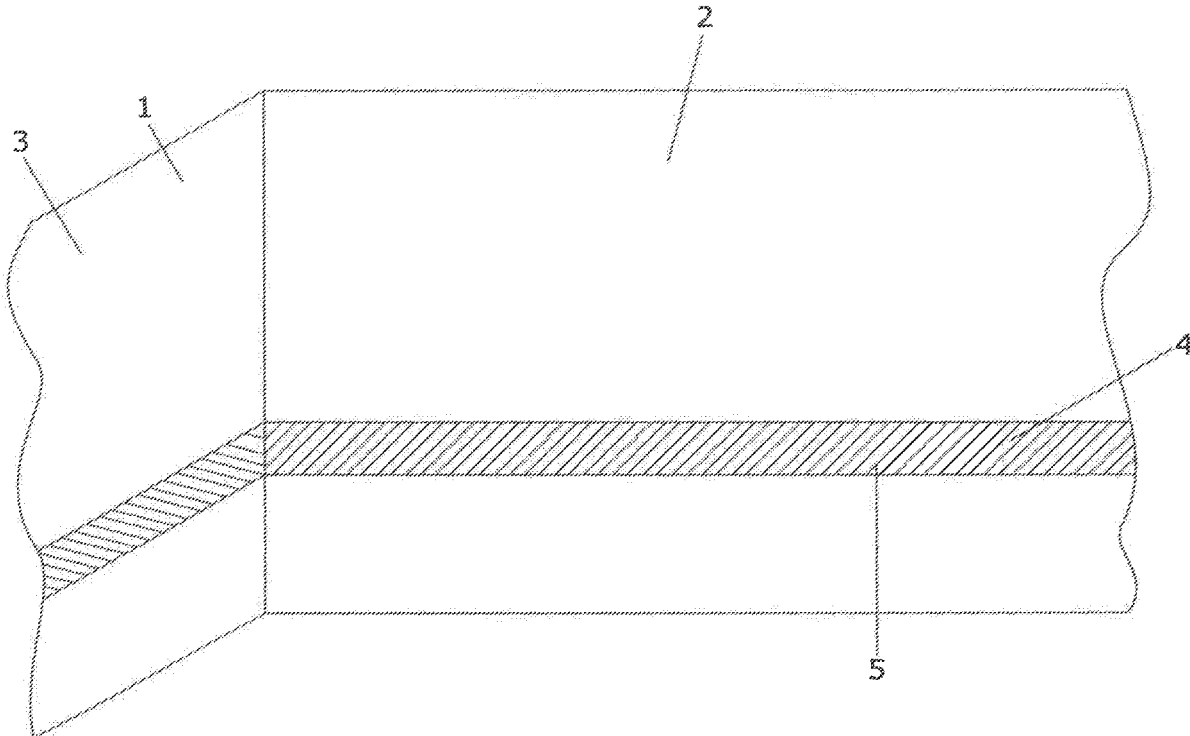


Fig. 1

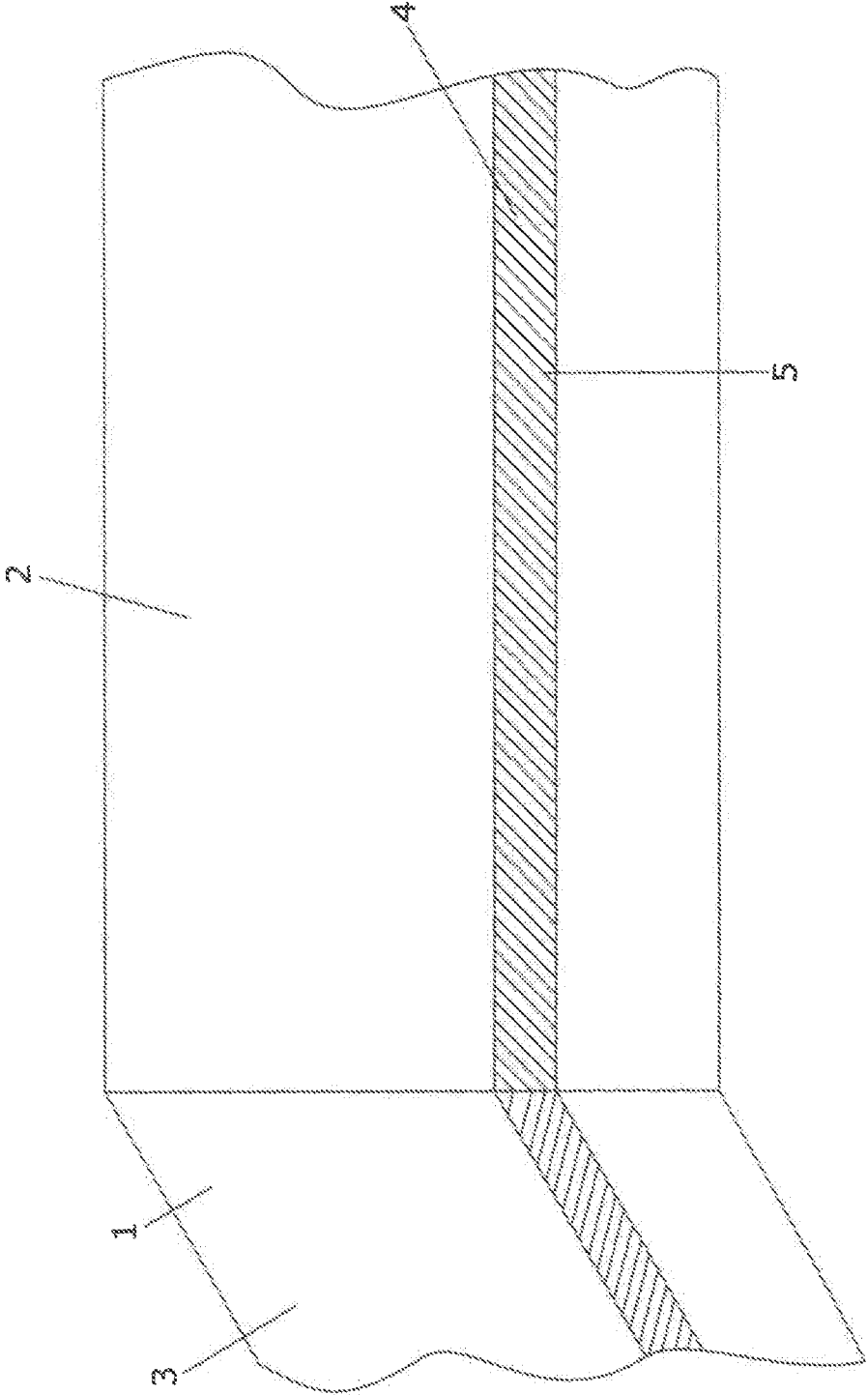
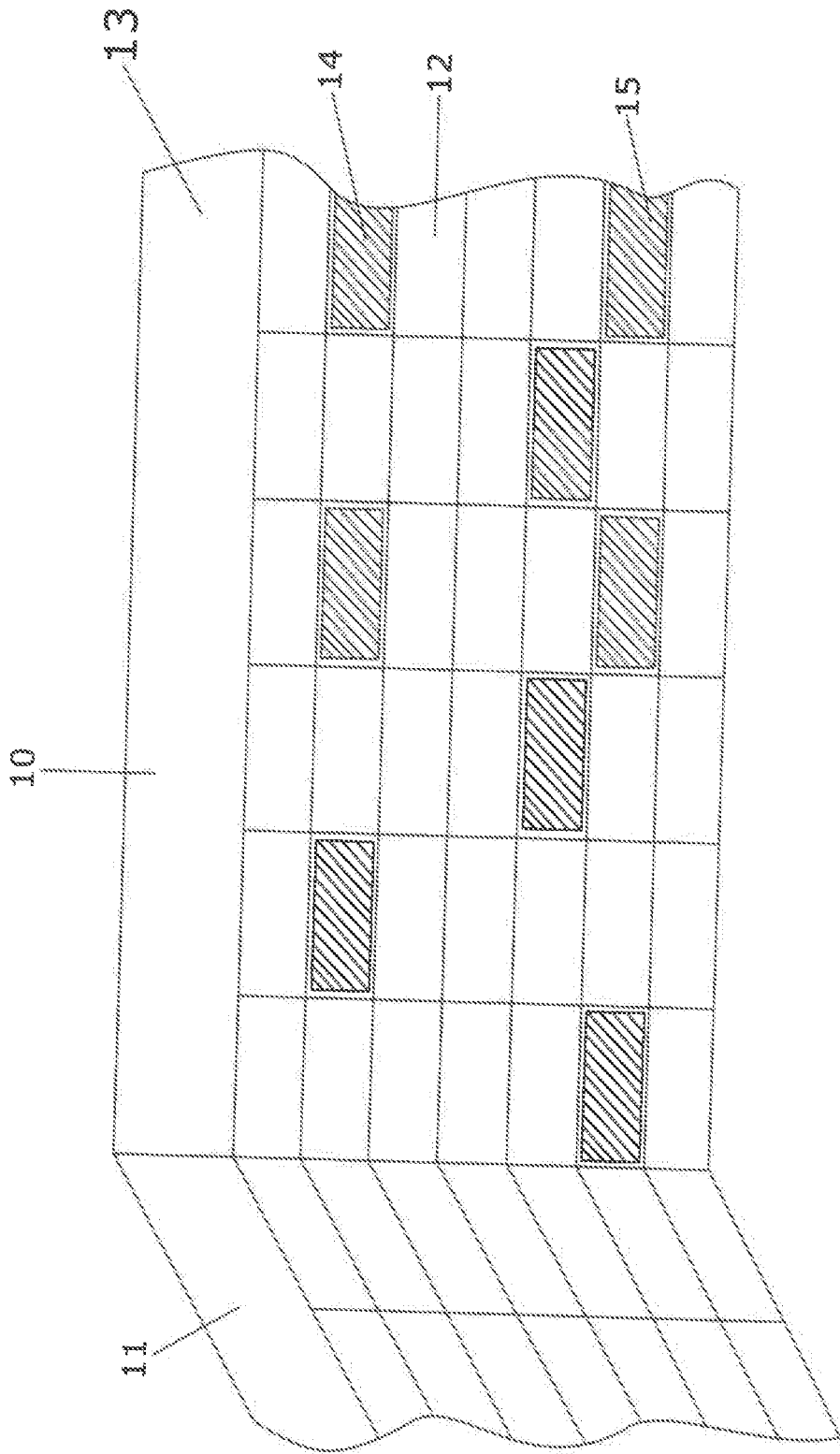


Fig. 2



WALL COVERING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the priority of DE 202018004445.8 filed on 2018 Sep. 26 and the priority of DE 202019001359.8 filed on 2019 Mar. 25; all applications are incorporated by reference herein in their entirety.

BACKGROUND

[0002] The invention relates to a wall covering in the form of a bordure or a tile sticker that can be stuck to a wall or tile surface, comprising at least one supporting body with a visible front side and a back side.

[0003] In order to homely equip wall surfaces within a room, these may be provided, for example, with rough-cast, a finishing coat, or else with wallpaper. If wallpaper is used, a painting which is adjusted to the furniture as to its colour may additionally be applied and renewed at major time intervals. Especially in children's rooms, it is desired to have a cosy decoration of the walls suited for children which must be adapted to the hobbies or changing interests as the child is growing up. These may be, for example, sports clubs and their known players, or else movie heroes. Such wall coverings may be provided all-over at least one wall. As an alternative, a bordure may be used which is additionally stuck to a wallpaper at an appropriate height. The bordure often consists of a paper web with a visible front side and a back side which is stuck onto the wall surface, for example, by means of an adhesive. Well-known bordures include a print which is, for example, adapted to the wallpaper used so that a uniform theme is given. As an alternative, a painted wall may also be provided with a bordure which is designed rather unostentatiously, but corresponding to the child's desires.

[0004] Moreover, it is popular to embellish bathrooms which are equipped, for example, with uniform white tiles, with stickers. To this end, for example self-adhesive plastic materials or transfer pictures are used which may be later removed from the tiles anyway and adapted to any taste due to their design options.

SUMMARY

[0005] The invention relates to a wall covering in the form of a bordure or a tile sticker that can be stuck onto a wall or tile surface. The wall covering is comprised of at least one supporting body with a visible front side and a back side. At least a portion of the visible front side comprises a printed lenticular foil and/or a lenticular foil with images stuck behind it.

DETAILED DESCRIPTION

[0006] To increase the attractiveness of such a bordure or tile sticker, the object underlying the present invention is to provide a bordure or a tile sticker that meets a particular optical demand and may be inexpensively produced.

[0007] According to the invention, to solve the problem, at least a portion of the visible front side of the bordure or a tile sticker has a printed lenticular foil and/or a lenticular foil with pictures stuck behind it. Further advantageous developments can be taken from the subclaims.

[0008] By the use of a lenticular foil which is used at least in partial areas of the bordure or the tile sticker, it is possible

to create different pictures from various angles of view, which attracts the viewers' increased attention and just in children's rooms, bathrooms or kitchens causes a clear optical valorisation.

[0009] The optical effects achievable with the lenticular foil consist, for example, of 3D effects, a depth image of pictures, the representation of flip images or changing images through to the depiction of smooth animations. Here, combinations of the mentioned effects are, of course, also possible. For the generation of a 3D effect, for example, pictures are made in individual depth levels, just as with a scenery theatre, and from this, a three-dimensional image is created which is arranged behind the lenticular foil. For changing images or for animations, in contrast, two or more starting images are separated into narrow strips which are alternately attached one next to the other on the back side of the lenticular foil. Here, usually the images produced with special software are disposed on the back side of the lenticular foil. Here, the back side of the lenticular foil corresponds to the side which is facing away from the optically structured foil side, i. e. the foil side provided with lenses. The complexity of the optical effects is increased with the number of images taken as a basis for the image information and with which the lenticular foil is printed or which are stuck at the back side. For example, for two-phase flip images, the combination of two images is already sufficient. By processing several images, multi-phases or complete motion sequences, but also zooming or morphing effects may be represented. The representations are here set up from a plurality of single images, just as with a flip book, which essentially merge into each other smoothly. Here, preferably a fourfold animation with four images is used. By designing a lenticular foil with printed images and/or images stuck at the back on the bordures or tile stickers, these are particularly optically valorised which attracts the attention of the viewers in any case.

[0010] Both with the bordures and with the tile stickers, it becomes possible, by the use of a lenticular foil, to perform a customized design of the premises which offers, for example in children's rooms, an infinite number of design options. The same applies to bathrooms provided for children or adults and comprising either child's themes or other designs, for example logos of soccer clubs or other sports clubs one is strongly linked to and wants to demonstrate it by corresponding tile stickers.

[0011] Here, it is easily possible that in a special embodiment, the complete front side consists of a lenticular foil and thus changing images extending over a theme are arranged across the complete bordure. However, it is moreover also possible that several lenticular foils with different graphics elements, which may concentrate, for example, on one subject, are disposed distributed over the length of the bordure.

[0012] It is furthermore possible that several lenticular foils with different graphics elements are arranged spaced apart on the bordure, where these may directly merge into each other or be spaced apart.

[0013] If these are tile stickers, they are preferably adapted corresponding to the size of the respective tile, wherein both small tile formats as well as larger tile formats may be taken into consideration. The larger the tile is, the greater is the scope for design by means of the lenticular foils and the graphical representation possibilities.

[0014] The lenticular foil may here be connected to the supporting material by a material bond and/or with a form-fit, in particular by gluing, sewing and welding the lenticular foil and the supporting body.

[0015] As an alternative, it is possible that the lenticular foil and the supporting body are bordered by an edge strip, wherein the edge strip optionally has a small width so that it is in the background and is hardly perceived.

[0016] In a further preferred embodiment, the lenticular foil with images stuck to its back side is laminated with a paper fibre and/or a fabric-like supporting layer at its back which serves as a supporting body and may be directly stuck onto the wall or tile surface. As an alternative, it is possible, for fixing the lenticular foil, that the edges of the lenticular foil with the images on the back side are bordered and enclose the supporting body. It is furthermore possible that the lenticular foil is stuck, ironed, sewn or welded onto the front side, whereby also a long durability may be ensured.

[0017] In a further preferred embodiment of the invention, the supporting body is provided on its back side with a pressure-sensitive adhesive, the pressure-sensitive adhesive being equipped with a peelable lamination sheet which, after it has been peeled off, permits a direct fixing of the bordure or the tile sticker onto the wall or tile surface.

[0018] In a particular embodiment of the inventive idea, the supporting body with the pressure-sensitive adhesive may be peeled off a wall or tile surface without leaving any residue and may be reused. Thereby, in a renovation or transformation of the wall surfaces, the same bordure or tile sticker may be employed again and optionally stuck onto the wall or tile surface in a different position.

[0019] The particularity of the present invention is that a bordure or tile sticker known per se obtains a clear optical valorisation by at least a partial area of the bordure or the tile sticker being covered with a lenticular foil, preferably the complete area of the bordure or the tile sticker. The lenticular foil employed here may be equipped with child-oriented themes and creates animated pictures having a three-dimensional character, whereby the attractiveness of such bordures or tile stickers is increased. The lenticular foil with images at its back may have both a two-dimensional and a three-dimensional design and represent, for example, sportive themes or well-known athletes or, depending on the children's interest, also contain well-known movie themes and individual actors as well as graphical representations of animals, cartoons, fictional characters or cartoon characters involving an increased attention and which may also be replaced by other characters or images, when the interests are changing.

BRIEF DESCRIPTION OF THE DRAWINGS

[0020] The invention will be further illustrated again below with reference to the figures. In the drawings:

[0021] FIG. 1 shows, in a perspective view, a spatial representation of two walls, and

[0022] FIG. 2 shows, in a perspective view, a spatial representation of a bathroom.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0023] FIG. 1 shows, in a perspective view, the spatial representation of a room, in this case, two walls 1 and 2 which form, for example, the corner of a room being

represented. The walls 1, 2 are optionally provided with wallpaper 3, but they may also be painted. On the walls 1, 2, there is a circumferential bordure 4 which is attached, for example, at a corresponding height for a children's room. The bordure 4 normally consists of a supporting body on which a lenticular foil is attached, for example stuck, which is provided with a graphical design 5 which is only indicated in outlines without selecting any particular theme in FIG. 1. The bordure 4 is provided with a bonding sheet on its back and may thus be directly stuck onto the walls 1, 2. As an alternative, it is possible to use a conventional adhesive material which is used, for example, for wallpapers. The design created by the lenticular foil may here extend across the complete length of the bordure 4, but it is also possible that a lenticular foil is only partially present on the bordure 4 which may be interrupted by colouring. It is thus possible to place individual sequences of the same or different types on one bordure 4. By the bordure 4 designed in this manner, the room, preferably a children's room, obtains a particular optical valorisation, and it may contain, according to the children's or adolescent's desires, sportive scenes or well-known athletes, movie themes or individual actors as well as representations of animals, cartoons, fictional characters or cartoon characters, which are characterized, due to the employed lenticular foil, by a changing motion sequence.

[0024] FIG. 2 also shows, in a spatial arrangement, two walls 10, 11, which are in this case bathroom walls on which tiles 12 are stuck. In the shown embodiment, the tiles 12 only reach up to a certain height so that the upper area of the walls 10, 11 may be painted. The tiles 12 are here partially provided with a tile sticker 14 which is equipped with a lenticular foil. These tile stickers 14, too, are provided with a theme 15 which is only symbolically indicated without showing a certain theme. The arrangement of the tile stickers 14 may here be effected in regions where there are sufficiently large open spaces and where no sanitary objects are fixed to the wall or on the bottom. The design of the bathroom is therefore individually possible, wherein in individual cases, by a plurality of tiles stickers 14, a kind of bordure is formed in a row, or by an alternative arrangement of the individual tile stickers, any pattern may be created. Each tile sticker is equipped with a lenticular foil so that, for example, club emblems or selected players, optionally also fictional characters, cartoon characters or cartoons, may be used.

LIST OF REFERENCE NUMERALS

[0025]	1 wall
[0026]	2 wall
[0027]	3 wallpaper
[0028]	4 bordure
[0029]	5 design
[0030]	10 wall
[0031]	11 wall
[0032]	12 tile
[0033]	14 tile sticker
[0034]	15 theme

1. Wall covering in the form of a bordure (4) or a tile sticker (14) that can be stuck onto a wall (1, 2) or tile surface, comprising at least one supporting body with a visible front side and a back side,

characterized in that at least a portion of the visible front side comprises a printed lenticular foil and/or a lenticular foil with images stuck behind it.

2. Wall covering according to claim 1, characterized in that

the complete front side consists of a lenticular foil.

3. Wall covering according to claim 1, characterized in that

several lenticular foils with different graphics elements are disposed distributed over the length of the bordure (4).

4. Wall covering according to claim 1, characterized in that

at least one tile (12) is covered with a lenticular foil.

5. Wall covering according to claim 1, characterized in that

several lenticular foils with different graphics elements are arranged spaced apart or consecutively over the length of the bordure (4).

6. Wall covering according to claim 1, characterized in that

the lenticular foil is connected with the supporting material by a material bond and/or with a form-fit.

7. Wall covering according to claim 1, characterized in that

the lenticular foil and the supporting body are directly glued, sewn or welded to each other.

8. Wall covering according to claim 1, characterized in that

the lenticular foil and the supporting body are bordered by an edge strip.

9. Wall covering according to claim 1, characterized in that

the lenticular foil with images stuck behind it is laminated at its back with a paper fibre and/or fabric-like supporting layer which serves as supporting body.

10. Wall covering according to claim 1, characterized in that

the edges of the lenticular foil with images stuck behind it are bordered.

11. Wall covering according to claim 1, characterized in that

the lenticular foil is glued, ironed, sewn or welded onto the front side.

12. Wall covering according to claim 1, characterized in that

the supporting body is provided, on its back side, with a pressure-sensitive adhesive.

13. Wall covering according to claim 1, characterized in that

the pressure-sensitive adhesive is provided with a peelable lamination sheet.

14. Wall covering according to claim 1, characterized in that

the supporting body with the pressure-sensitive adhesive may be peeled off a wall surface without leaving any residue and be reused several times.

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