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(54) **Clear ice skate blade holder**

Transparentes Kantenträger für Eislaufschuhe

Support de lame transparent pour patin à glace

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• **Langevin, Chris**
J0R 1P0 Prévost, Quebec (CA)

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(74) Representative: **Burbaud, Eric**
Cabinet Plasseraud
52 rue de la Victoire
75440 Paris Cedex 09 (FR)

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(73) Proprietor: **Bauer Hockey Corp.**
St-Jérôme QC J7Y 5G2 (CA)

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(72) Inventors:
• **Labonté, Ivan**
H2G 2G4 Montreal (CA)

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Description

Field of the invention

[0001] The present invention relates to a clear blade holder for an ice skate.

Background of the invention

[0002] An ice skate typically includes a skate boot for receiving a foot of a user, an ice skate blade for engaging an ice surface, and a blade holder holding the ice skate blade and attached to the skate boot. A blade holder is usually made of a rigid polymeric material and is hollow in construction, for weight considerations. Normally, a blade holder is opaque and of a specific color such as black or white. Some blade holders have been made of transparent material but have enjoyed limited success in the industry. International Patent Application WO 03/002216 relates to a transparent blade holder assembly configured so that a user can adjust the pitch of the ice blade between a plurality of discrete pitch positions. The pitch is adjusted by locking the ice blade at a desired angle relative to the blade holder.

[0003] Accordingly, there is a need in the industry for improvements in the appearance of ice skate blade holders and, more particularly, for a clear ice skate blade holder with customizable visual characteristics.

Summary of the invention

[0004] In accordance with a first broad aspect, the invention provides a blade holder comprising a body having a top portion for attachment to a skate boot and a bottom portion for receiving an ice skate blade. The body is at least partly made of a clear material and defines a cavity. The blade holder also comprises a graphical element inside the cavity and visible through the clear material.

[0005] In accordance with a second broad aspect, the invention provides a blade holder comprising a body at least partly made of a clear material and comprising a bottom portion having a longitudinal slot for receiving an ice skate blade, a front pedestal with a front inner surface, a rear pedestal with a rear inner surface and a bridge portion interconnecting the front and rear pedestals, the front and rear inner surfaces defining respective front and rear cavities. The blade holder has a graphical element inside one of the front and rear cavities, the graphical element being visible through the clear material.

[0006] In accordance with a third broad aspect, the invention provides a method of customizing a blade holder. The method comprises providing to a customer a blade holder body being at least partly made of a clear material and defining a cavity. The method also comprises providing to the customer a plurality of graphical elements, and selecting a graphical element from the plurality of graphical elements. The method further comprises mounting the graphical element inside the cavity of the

blade holder body such that the graphical element is visible through the clear material.

[0007] In accordance with a fourth broad aspect, the invention provides a method of customizing a blade holder. The method comprises providing to a customer a blade holder body being at least partly made of a clear material and comprising a front pedestal with a front inner surface, a rear pedestal with a rear inner surface, and a bridge portion interconnecting the front and rear pedestals, the front and rear inner surfaces defining respective front and rear cavities. The method also comprises providing to the customer a plurality of graphical elements, and selecting a graphical element from the plurality of graphical elements. The method further comprises mounting the graphical element inside one of the front and rear cavities such that the graphical element is visible through the clear material.

[0008] In accordance with a fifth broad aspect, the invention provides a method of customizing a blade holder. The method comprises providing to a customer a blade holder body being at least partly made of a clear material and comprising a front pedestal with a front inner surface, a rear pedestal with a rear inner surface, and a bridge portion interconnecting the front and rear pedestals, the front and rear inner surfaces defining respective front and rear cavities. The method also comprises providing to the customer a plurality of graphical elements, and selecting a graphical element selected from the plurality of graphical elements. The method further comprises affixing the graphical element on one of the front and rear surfaces such that the graphical element is visible through the clear material.

[0009] In accordance with a sixth broad aspect, the invention provides a method of customizing a blade holder. The method comprises providing to a customer a blade holder body being at least partly made of a clear material and comprising a front pedestal with a front inner surface, a rear pedestal with a rear inner surface, and a bridge portion interconnecting the front and rear pedestals, the front and rear inner surfaces defining respective front and rear cavities. The method also comprises providing to the customer a plurality of graphical elements, and selecting a graphical element from the plurality of graphical elements. The method further comprises painting the graphical element on one of the front and rear surfaces such that the graphical element is visible through the clear material.

[0010] These and other aspects and features of the present invention will now become apparent to those of ordinary skill in the art upon review of the following description of specific embodiments of the invention in conjunction with the accompanying drawings.

Brief description of the drawings

[0011] A detailed description of embodiments of the present invention is provided herein below, by way of example only, with reference to the accompanying draw-

ings, in which:

Figure 1 is a perspective view of an ice skate including a blade holder in accordance with an embodiment of the present invention;

Figure 2 is a perspective view of the blade holder shown in Figure 1;

Figure 3 is a perspective exploded view of the blade holder shown in Figure 2;

Figure 4 is a top view of the blade holder shown in Figure 2;

Figure 5 is a side elevation view of the blade holder shown in Figure 2;

Figure 6 is a bottom view of the blade holder shown in Figure 2;

Figure 7 is a front elevation view of the blade holder shown in Figure 2; and

Figure 8 is a rear elevation view of the blade holder shown in Figure 2.

[0012] In the drawings, the embodiments of the invention are illustrated by way of examples. It is to be expressly understood that the description and drawings are only for the purpose of illustration and are an aid for understanding. They are not intended to be a definition of the limits of the invention.

Detailed description

[0013] Figure 1 shows an ice skate 10 having a blade holder 12 in accordance with an embodiment of the invention. The blade holder 12 has an ice skate blade 14 and is attached to a skate boot 16 of the ice skate 10.

[0014] Referring to Figures 2 to 8, the blade holder 12 comprises a body 13 having a top portion 20 for attachment to the skate boot 16 and a bottom portion 22 for receiving the ice skate blade 14. The body 13 has a front portion 24, a rear portion 26, and a bridge portion 28 interconnecting the front portion 24 and the rear portion 26. In the illustrated embodiment, the front portion 24 is configured as a front pedestal, the rear portion 26 is configured as a rear pedestal, and the bridge portion 28 has a plurality of apertures 29 for reducing the weight of the body 13 of the blade holder 12. The upper edges of the apertures 29 follow a concave imaginary line while the lower edges of the apertures 29 follow a generally straight imaginary line.

[0015] The top portion 20 has a front top portion 21 located on the front portion 24 and a rear top portion 23 located on the rear portion 26. Each one of the front top portion 21 and the rear top portion 23 is adapted to be

attached to a sole of the skate boot 16 using fasteners such as rivets, bolts, or other suitable fasteners. The bottom portion 22 has a longitudinal slot 25 for receiving the ice skate blade 14.

[0016] It is to be understood that multiple other configurations are possible for the body of the blade holder without departing from the scope of the claims.

[0017] The front portion 24 is made of a clear material and defines a front cavity 30. The rear portion 26 is also made of the clear material and defines a rear cavity 32. In fact, in the illustrated embodiment, the entire body 13 of the blade holder 12 is made of the clear material. However, it is to be understood that, in other embodiments, only certain portions of the body 13 of the blade holder 12 may be made of a clear material while other portions may not be made of a clear material. For example, in a specific embodiment, each one of the front portion 24 and the rear portion 26 may be made of a clear material while the bridge portion 28 may not be made of a clear material.

[0018] The clear material is a material capable of being seen through. The clear material can be colorless or colored. Also, the clear material can include a first region characterized by a first degree of transparency and a second region characterized by a second degree of transparency different from the first degree of transparency. The different degrees of transparency can be achieved, for instance, by a different surface finish or thickness of the first and second regions. The clear material may be a polymeric material such as, Acrylic, clear polymer or polycarbonate.

[0019] The body 13 of the blade holder 12 can be manufactured using known processes, including but not limited to an injection molding process.

[0020] The blade holder 12 also comprises a front graphical element 34 inside the front cavity 30 and visible through the clear material of the front portion 24, and a rear graphical element 36 inside the rear cavity 32 and visible through the clear material of the rear portion 26. More specifically, the front graphical element 34 is characterized by at least one of a colored area, a mark, a symbol, and a logo visible through the clear material of the front portion 24. Similarly, the rear graphical element 36 is characterized by at least one of a colored area, a mark, a symbol, and a logo visible through the clear material of the rear portion 26.

[0021] In the illustrated embodiment, the front graphical element 34 is a front insert 38 disposed inside of the front cavity 30, and the rear graphical element 36 is a rear insert 40 disposed inside of the rear cavity 32. The front insert 38 may have a contour following an inner surface 42 of the front portion 24 defining the front cavity 30. The front insert 38 may also have a flange 48 that at least partially overlies the front top portion 21 such that attachment of the front top portion 21 to the sole of the skate boot 14 secures the front insert 38 inside the front cavity 30. Alternatively, the front insert 38 may be affixed, for instance by being glued, to the inner surface 42 of the

front portion 24. Similarly, the rear insert 40 may have a contour following an inner surface 44 of the rear portion 26 defining the rear cavity 32, and may have a flange 49 that at least partially overlies the rear top portion 23 such that attachment of the rear top portion 23 to the sole of the skate boot 14 secures the rear insert 40 inside the rear cavity 32.

[0022] The front insert 38 may be of a first color, while the rear insert 40 may have a second color different from the first color. As noted previously, various other visual characteristics can be included on each one of the front and rear inserts 38 and 40 without departing from the scope of the claims.

[0023] Each one of the front and rear inserts 38, 40 may be made of a polymeric material such as, polyethylene, polystyrene, polyurethane or polypropylene, polycarbonate. These front and rear inserts 38, 40 may also be made of carbon, fiberglass, titanium, aluminum, Kevlar, paper, cardboard or foam. Alternatively, each one of the front and rear inserts 38, 40 may be made of a composite material or any other suitable material. The inserts 38, 40 may be manufactured using known processes, including but not limited to thermoforming, blow molding or injection molding.

[0024] In other embodiments, the front graphical element 34 is applied directly on the inner surface 42 defining the front cavity 30. Similarly, the rear graphical element 36 is applied directly on the inner surface 44 of the rear portion 26 defining the rear cavity 32. In a specific embodiment, each one of the front and rear graphical elements 34, 36 is implemented as paint applied to the inner surfaces 42, 44. For instance, the paint can be applied using a paintbrush or can be spray-paint. In another embodiment, the front graphical element 34 is a sticker affixed to the inner surface 42 and, similarly, the rear graphical element 36 is a sticker affixed to the inner surface 44. The sticker affixed to each one of the inner surfaces 42, 44 can be any type of sticker, including an ink transfer sticker which is initially applied on a surface and subsequently removed in order to leave a design on the surface.

[0025] In other embodiments, the front and rear graphical elements 34, 36 may be colored foam injected in the respective front and rear cavities 30, 32. In fact, the front and rear graphical elements may be made of a material that can be catalyzed to a liquid foamed state and which will cure relatively rapidly. One such material is polyurethane.

[0026] Although the above description and Figures 2 to 8 illustrate specific embodiments of the front and rear graphical elements 34, 36, it is to be understood that various other embodiments of the front and rear graphical elements 34, 36 are possible without departing from the scope of the claims.

[0027] In view of the foregoing, it will be appreciated that the combination of the clear material and the front and rear graphical elements 34, 36 allows the blade holder 12 to be imparted with various colors and/or other vis-

ual characteristics. Furthermore, the front and rear graphical elements 34, 36 are protected from abrasion and deterioration due to impacts since they are respectively located inside the front and rear cavities 30, 32.

[0028] Each one of the front and rear graphical elements 34 and 36 permits a customization of the appearance of the blade holder 12. A hockey store can therefore provide to a customer a blade holder body being at least partly made of a clear material and comprising a front pedestal with a front inner surface, a rear pedestal with a rear inner surface and a bridge portion interconnecting said front and rear pedestals, the front and rear inner surfaces defining respective front and rear cavities. The hockey store can also provide to the customer a plurality of graphical elements to be mounted into the front and rear cavities or the store may receive from the customer an indication of the graphical elements that are desired to be present on the blade holder. For example, the graphical elements that are desired to be present on the blade holder can include the main color(s) associated with the hockey team, the logo of the hockey team, and the number of the player on the hockey team. Based on the selected graphical elements, the store can provide the front and rear graphical elements such that the front graphical element includes a colored area containing the main color(s) associated with the hockey team as well as the logo of the hockey team, and the rear graphical element includes a colored area containing the main color(s) associated with the hockey team as well as the number of the hockey player. The graphical element may be affixed to the inner surface of the cavity or may be painted on this inner surface.

[0029] Although various embodiments have been illustrated, this was for the purpose of describing, but not limiting, the invention. Various modifications will become apparent to those skilled in the art and are within the scope of the attached claims.

Claims

1. A blade holder comprising a body (13) at least partly made of a clear material and comprising a bottom portion (22) having a longitudinal slot (25) for receiving an ice skate blade (14), a front pedestal (24) with a front inner surface (42), a rear pedestal (26) with a rear inner surface (44) and a bridge portion (28) interconnecting said front and rear pedestals, said front and rear inner surfaces defining respective front and rear cavities (30, 32), said blade holder being **characterized in that** it comprises a graphical element (34, 36) inside one of said front and rear cavities (30, 32), said graphical element being visible through said clear material.
2. A blade holder as defined in claim 1, wherein said graphical element (34, 36) is a front graphical element (34), said blade holder further comprising a rear

graphical element (36) inside said rear cavity (32).

3. A blade holder as defined in claim 2, wherein said front and rear pedestals (24, 26) comprise respective front and rear top portions (21, 23) for attachment to a skate boot (16). 5
4. A blade holder as defined in any one of claims 1 to 3, wherein said ice skate blade (14) is received in said slot (25). 10
5. A blade holder as defined in claim 1, wherein said graphical element (34, 36) is **characterized by** at least one of a colored area, a mark, a symbol, and a logo. 15
6. A blade holder as defined in claim 1, wherein said graphical element (34, 36) is an insert (38, 40).
7. A blade holder as defined in claim 3, wherein said front and rear graphical elements (34, 36) are front and rear inserts (38, 40) having a contour following said respective front and rear inner surfaces (42, 44). 20
8. A blade holder as defined in claim 7, wherein said front and rear inserts (38, 40) comprise respective front and rear flanges (48, 49) that at least partially overlie said respective front and rear top portions (21, 23) such that attachment of said front and rear top portions to the skate boot secures said front and rear inserts inside said front and rear cavities. 25
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9. A blade holder as defined in claim 6, wherein said insert (38, 40) is affixed to one of said front and rear inner surfaces (42, 44). 35
10. A blade holder as defined in claim 6, wherein said insert (38, 40) is made by injection molding, blow molding or thermoforming.
11. A blade holder as defined in claim 6, wherein said insert (38, 40) is made of a material selected from the group consisting of polyethylene, polystyrene, polyurethane, polypropylene, polycarbonate, carbon, fiberglass, titanium, aluminum, Kevlar, paper, cardboard and foam. 40
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12. A blade holder as defined in claim 1, wherein said graphical element (34, 36) is constituted of paint applied to one of said front and rear inner surfaces. 50
13. A blade holder as defined in claim 1, wherein said graphical element (34, 36) is a sticker affixed to one of said front and rear inner surfaces. 55
14. A blade holder as defined in claim 1, wherein one of said front and rear graphical elements (34, 36) comprises colored liquid foam injected in one of said front

and rear cavities.

15. A blade holder as defined in any one of claims 1 to 14, wherein said clear material comprises a first region with a first degree of transparency and a second region with a second degree of transparency different from said first degree of transparency.
16. A blade holder as defined in claim 15, wherein said first region has a first surface finish and said second region has a second surface finish different from said first surface finish.
17. A blade holder as defined in any one of claims 1 to 16, wherein said clear material is colored.
18. A blade holder as defined in any one of claims 1 to 17, wherein said clear material is a material selected from the group consisting of Acrylic, clear polymer and polycarbonate.
19. A blade holder as defined in any one of claims 1 to 18, wherein said bridge portion (28) comprises an aperture (29) for reducing the weight of said blade holder.
20. A blade holder as defined in any one of claims 1 to 18, wherein said bridge portion (28) comprises a plurality of apertures (29) for reducing the weight of said blade holder, said apertures being disposed such that their upper edges collectively follow an imaginary concave line.
21. An ice skate (10) comprising a blade holder (12) as defined in any one of claims 1 to 20.

Patentansprüche

1. Kufenhalter mit einem Körper (13), der mindestens teilweise aus einem klaren Material hergestellt ist und aufweist: einen unteren Abschnitt (22) mit einem Längsschlitz (25) zum Aufnehmen einer Schlittschuhkufe (14), einen vorderen Sockel (24) mit einer vorderen Innenfläche (42), einen hinteren Sockel (26) mit einer hinteren Innenfläche (44) und einen Brückenabschnitt (28), der den vorderen und hinteren Sockel miteinander verbindet, wobei die vordere und hintere Innenfläche einen vorderen bzw. einen hinteren Hohlraum (30, 32) bilden, wobei der Kufenhalter **dadurch gekennzeichnet ist, daß** er ein graphisches Element (34, 36) innerhalb des vorderen oder hinteren Hohlraums (30, 32) aufweist, wobei das graphische Element durch das klare Material sichtbar ist. 40
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2. Kufenhalter nach Anspruch 1, wobei das graphische Element (34, 36) ein vorderes graphisches Element

- (34) ist, wobei der Kufenhalter ferner ein hinteres graphisches Element (36) innerhalb des hinteren Hohlraums (32) aufweist.
3. Kufenhalter nach Anspruch 2, wobei der vordere und hintere Sockel (24, 26) einen vorderen bzw. einen hinteren oberen Abschnitt (21, 23) zur Anbringung an einem Schlittschuhstiefel (16) aufweisen. 5
 4. Kufenhalter nach einem der Ansprüche 1 bis 3, wobei die Schlittschuhkufe (14) im Schlitz (25) aufgenommen ist. 10
 5. Kufenhalter nach Anspruch 1, wobei das graphische Element (34, 36) durch einen farbigen Bereich, eine Markierung, ein Symbol und/oder ein Logo **gekennzeichnet** ist. 15
 6. Kufenhalter nach Anspruch 1, wobei das graphische Element (34, 36) ein Einsatz (38, 40) ist. 20
 7. Kufenhalter nach Anspruch 3, wobei das vordere und hintere graphische Element (34, 36) ein vorderer und ein hinterer Einsatz (38, 40) mit einer Kontur sind, die der vorderen bzw. hinteren Innenfläche (42, 44) folgt. 25
 8. Kufenhalter nach Anspruch 7, wobei der vordere und hintere Einsatz (38, 40) einen vorderen bzw. einen hinteren Flansch (48, 49) aufweisen, die mindestens teilweise so über dem vorderen bzw. hinteren oberen Abschnitt (21, 23) liegen, daß die Anbringung des vorderen und hinteren oberen Abschnitts am Schlittschuhstiefel den vorderen und hinteren Einsatz innerhalb des vorderen und hinteren Hohlraums befestigt. 30
 9. Kufenhalter nach Anspruch 6, wobei der Einsatz (38, 40) an der vorderen oder hinteren Innenfläche (42, 44) fixiert ist. 35
 10. Kufenhalter nach Anspruch 6, wobei der Einsatz (38, 40) durch Spritzgießen, Blasformen oder Thermoformen hergestellt ist. 40
 11. Kufenhalter nach Anspruch 6, wobei der Einsatz (38, 40) aus einem Material hergestellt ist, das aus der Gruppe ausgewählt ist, die aus Polyethylen, Polystyrol, Polyurethan, Polypropylen, Polycarbonat, Carbon, Fiberglas, Titan, Aluminium, Kevlar, Papier, Pappe und Schaumstoff besteht. 50
 12. Kufenhalter nach Anspruch 1, wobei das graphische Element (34, 36) aus Lack gebildet ist, der auf die vordere oder hintere Innenfläche aufgetragen ist. 55
 13. Kufenhalter nach Anspruch 1, wobei das graphische Element (34, 36) ein Sticker ist, der an der vorderen oder hinteren Innenfläche fixiert ist.
 14. Kufenhalter nach Anspruch 1, wobei das vordere oder hintere graphische Element (34, 36) farbigen Flüssigschaum aufweist, der in den vorderen oder hinteren Hohlraum eingespritzt ist.
 15. Kufenhalter nach einem der Ansprüche 1 bis 14, wobei das klare Material einen ersten Bereich mit einem ersten Transparenzgrad und einen zweiten Bereich mit einem zweiten Transparenzgrad aufweist, der sich vom ersten Transparenzgrad unterscheidet.
 16. Kufenhalter nach Anspruch 15, wobei der erste Bereich eine erste Oberflächengüte hat und der zweite Bereich eine zweite Oberflächengüte hat, die sich von der ersten Oberflächengüte unterscheidet.
 17. Kufenhalter nach einem der Ansprüche 1 bis 16, wobei das klare Material farbig ist.
 18. Kufenhalter nach einem der Ansprüche 1 bis 17, wobei das klare Material ein Material ist, das aus der Gruppe ausgewählt ist, die aus Acryl, klarem Polymer und Polycarbonat besteht.
 19. Kufenhalter nach einem der Ansprüche 1 bis 18, wobei der Brückenabschnitt (28) eine Öffnung (29) zum Reduzieren des Gewichts des Kufenhalters aufweist.
 20. Kufenhalter nach einem der Ansprüche 1 bis 18, wobei der Brückenabschnitt (28) mehrere Öffnungen (29) zum Reduzieren des Gewichts des Kufenhalters aufweist, wobei die Öffnungen so angeordnet sind, daß ihre Oberkanten gemeinsam einer gedachten konkaven Linie folgen.
 21. Schlittschuh (10) mit einem Kufenhalter (12) nach einem der Ansprüche 1 bis 20.

Revendications

1. Support de lame, comprenant un corps (13) au moins partiellement fait d'un matériau translucide et comprenant une partie inférieure (22) présentant une fente longitudinale (25) pour recevoir une lame de patin à glace (14), un socle avant (24) avec une surface interne avant (42), un socle arrière (26) avec une surface interne arrière (44) et une partie formant pont (28) interconnectant lesdits socles avant et arrière, lesdites surfaces internes avant et arrière définissant des cavités respectives avant et arrière (30, 32), ledit support de lame étant **caractérisé en ce qu'il** comprend un élément graphique (34, 36) à l'intérieur d'une desdites cavités avant et arrière (30, 32), ledit élément graphique étant visible à travers

- ledit matériau translucide.
2. Support de lame selon la revendication 1, dans lequel ledit élément graphique (34, 36) est un élément graphique avant (34), ledit support de lame comprenant en outre un élément graphique arrière (36) à l'intérieur de ladite cavité arrière (32). 5
 3. Support de lame selon la revendication 2, dans lequel lesdits socles avant et arrière (24, 26) comprennent des parties supérieures respectives avant et arrière (21, 23) destinées à être fixées à une chaussure de patin (16). 10
 4. Support de lame selon l'une quelconque des revendications 1 à 3, dans lequel ladite lame de patin à glace (14) est reçue dans ladite fente (25). 15
 5. Support de lame selon la revendication 1, dans lequel ledit élément graphique (34, 36) est **caractérisé par** au moins un élément parmi une surface colorée, une marque, un symbole et un logo. 20
 6. Support de lame selon la revendication 1, dans lequel ledit élément graphique (34, 36) est un insert. 25
 7. Support de lame selon la revendication 3, dans lequel lesdits éléments graphiques avant et arrière (34, 36) sont des inserts avant et arrière (38, 40) ayant un contour qui suit lesdites surfaces internes respectives avant et arrière (42, 44). 30
 8. Support de lame selon la revendication 7, dans lequel lesdits inserts avant et arrière (38, 40) comprennent des brides respectives avant et arrière (48, 49) qui sont au moins partiellement superposées aux dites parties supérieures respectives avant et arrière (21, 23), de telle sorte que la fixation desdites parties supérieures avant et arrière à la chaussure de patin fixe lesdits inserts avant et arrière à l'intérieur desdites cavités avant et arrière. 35
 9. Support de lame selon la revendication 6, dans lequel ledit insert (38, 40) est fixé à une desdites surfaces internes avant et arrière (42, 44). 40
 10. Support de lame selon la revendication 6, dans lequel ledit insert (38, 40) est fabriqué par moulage par injection, moulage par extrusion-soufflage ou thermoformage. 45
 11. Support de lame selon la revendication 6, dans lequel ledit insert (38, 40) est fait d'un matériau choisi dans le groupe comprenant le polyéthylène, le polystyrène, le polyuréthane, le polypropylène, le polycarbonate, le carbone, la fibre de verre, le titane, l'aluminium, le Kevlar, le papier, le carton, et la mousse. 50
 12. Support de lame selon la revendication 1, dans lequel ledit élément graphique (34, 36) est constitué de peinture appliquée à une desdites surfaces internes avant et arrière. 55
 13. Support de lame selon la revendication 1, dans lequel ledit élément graphique (34, 36) est un autocollant fixé à une desdites surfaces internes avant et arrière.
 14. Support de lame selon la revendication 1, dans lequel un desdits éléments graphiques avant et arrière (34, 36), comprend de la mousse liquide colorée injectée dans une desdites cavités avant et arrière.
 15. Support de lame selon l'une quelconque des revendications 1 à 14, dans lequel ledit matériau translucide comprend une première zone avec un premier degré de transparence et une seconde zone avec un second degré de transparence différent dudit premier degré de transparence.
 16. Support de lames selon la revendication 15, dans lequel ladite première zone a une première finition de surface et ladite seconde zone a une seconde finition de surface différente de ladite première finition de surface.
 17. Support de lame selon l'une quelconque des revendications 1 à 16, dans lequel ledit matériau translucide est coloré.
 18. Support de lame selon l'une quelconque des revendications 1 à 17, dans lequel ledit matériau translucide est un matériau choisi dans le groupe comprenant l'acrylique, le polymère translucide, et le polycarbonate.
 19. Support de lame selon l'une quelconque des revendications 1 à 18, dans lequel ladite partie formant pont (28) comprend une ouverture (29) pour réduire le poids dudit support de lame.
 20. Support de lame selon l'une quelconque des revendications 1 à 18, dans lequel ladite partie formant pont (28) comprend une pluralité d'ouvertures (29) pour réduire le poids dudit support de lame, lesdites ouvertures étant disposées de telle sorte que leurs bords supérieurs suivent collectivement une ligne concave imaginaire.
 21. Patin à glace (10) comprenant un support de lame (12) selon l'une quelconque des revendications 1 à 20.

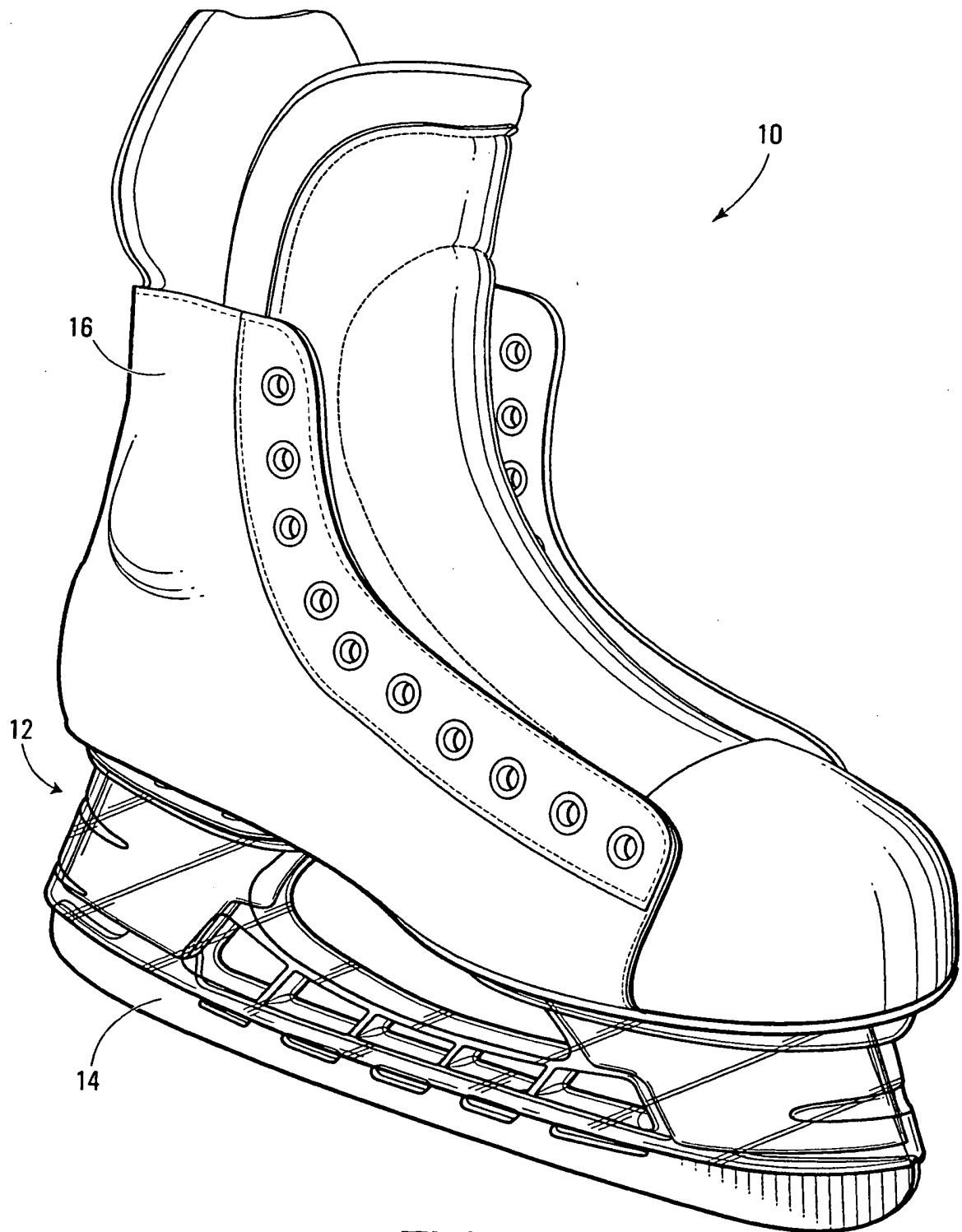


FIG. 1

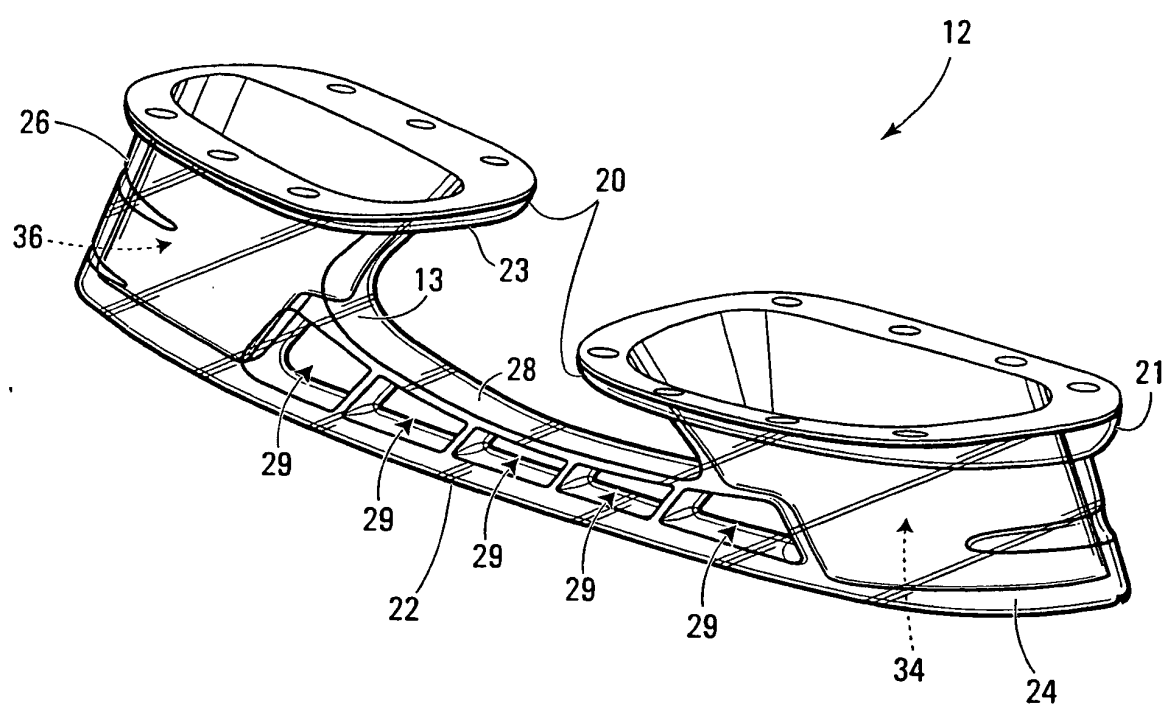


FIG. 2

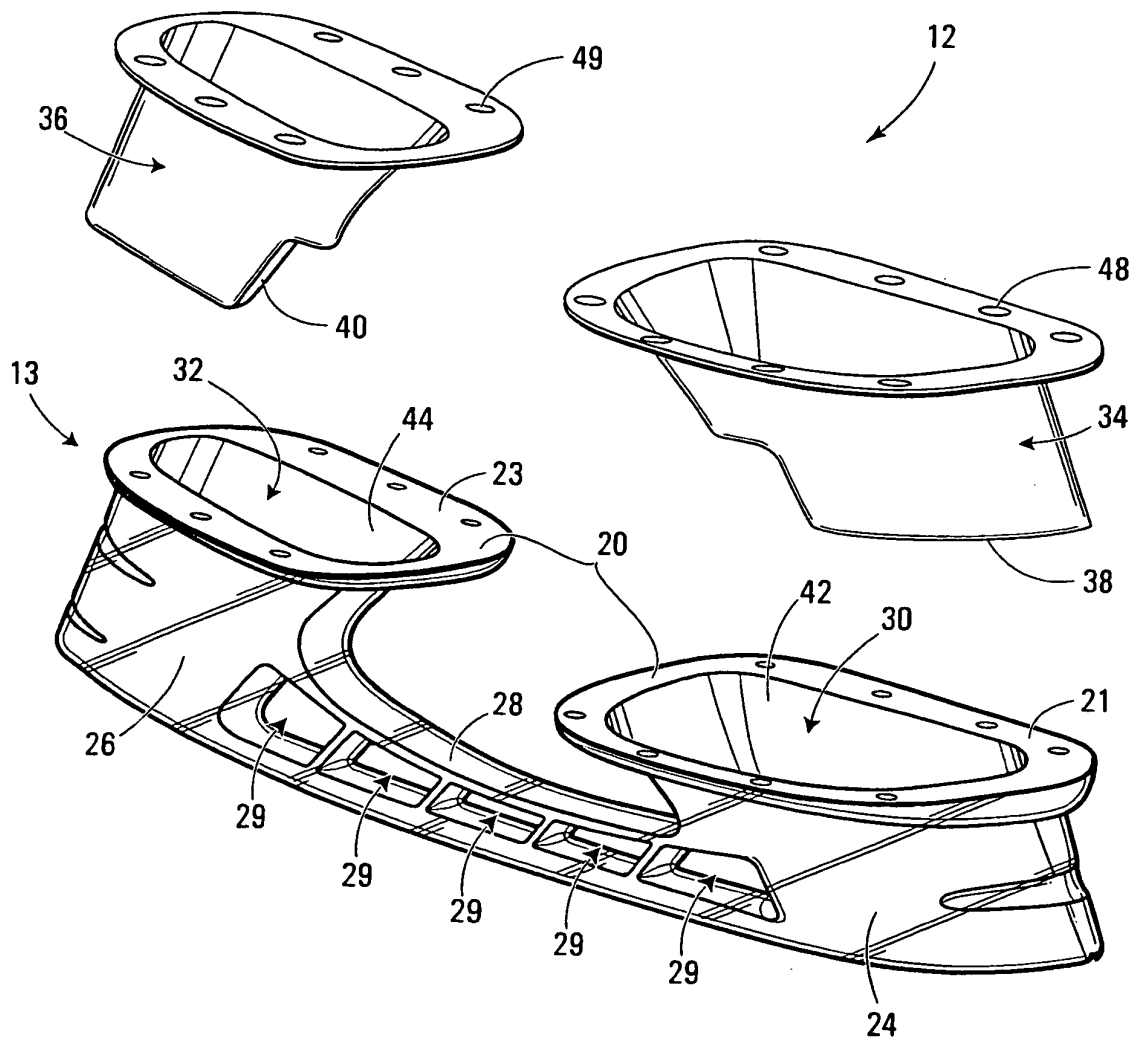


FIG. 3

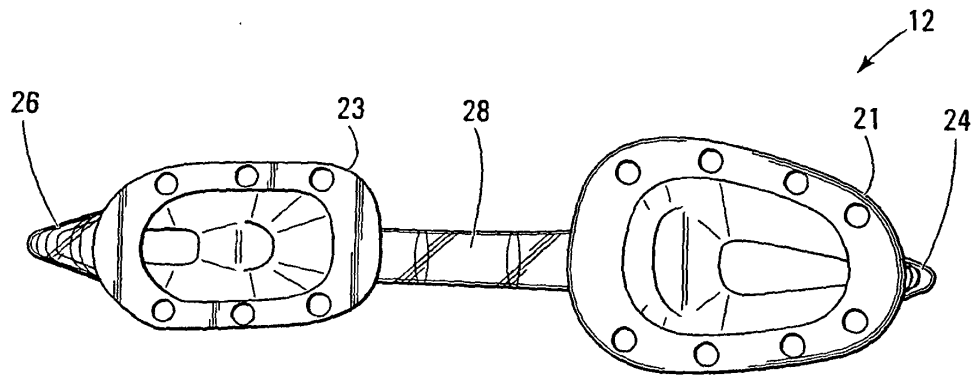


FIG. 4

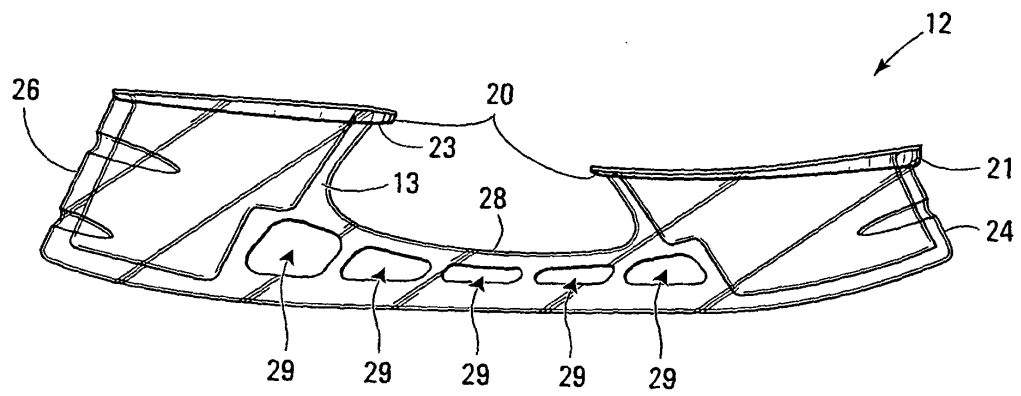


FIG. 5

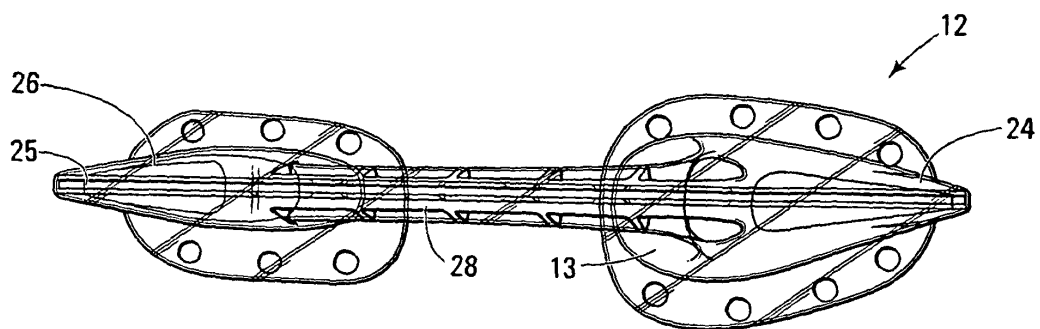


FIG. 6

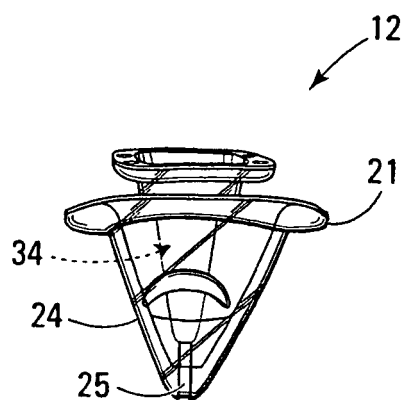


FIG. 7

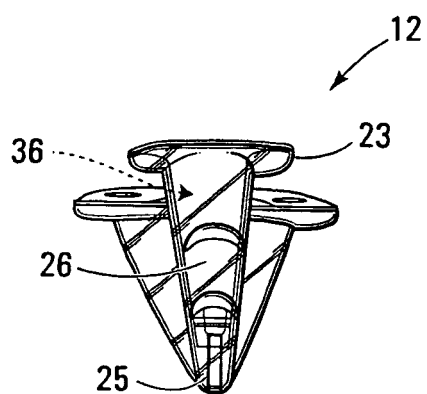


FIG. 8

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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