Claims

What is claimed is:

1. A method for manufacturing a cover comprising multiple metal layers, comprising:

injecting a second metal in liquid form which is a metal different from a first metal layer, onto a semi-finished cover which is disposed in a mold and formed of the first metal layer, so as to form a second metal layer on the first metal layer; and

pressing the second metal layer with a pressure in the mold, wherein the mold comprises a pressing component, for applying a pressure to the second metal layer located in the mold.

2. The method according to Claim 1, wherein the materials of the first metal layer and the second metal layer comprise stainless steel, zinc, aluminum, magnesium, chromium, titanium, copper, beryllium, nickel or an alloy thereof.

3. A device for manufacturing a cover comprising multiple metal layers, comprising:

a mold, used for injecting a second metal in liquid form which is a metal different from a first metal layer onto a semi-finished cover disposed in the mold and formed of the first metal layer, so as to form a second metal layer on the first metal layer,

wherein the mold comprises a pressing component, for applying a pressure to the second metal layer located in the mold.

4. The device according to Claim 3, wherein the mold comprises an overflow port, so that a surplus of the second metal in liquid form overflows through the overflow port when the pressing component presses the second metal layer.

5. The device according to Claim 3, wherein the mold comprises a rear mold, and a reserved space provided between the rear mold and the pressing component, so that the second metal in liquid form is injected into the reserved space.

6. The device according to Claim 3, wherein the materials of the first metal layer and the second metal layer comprise stainless steel, zinc, aluminum, magnesium, chromium, titanium, copper, beryllium, nickel or an alloy thereof.

7. A method for manufacturing a cover comprising multiple metal layers, comprising:

injecting a first metal in liquid form into a space between a first front mold and a rear mold operating in cooperation with the first front mold, so as to form a first metal layer; ~~and~~

injecting a second metal in liquid form onto the first metal layer in a semi-solid molten state in a second front mold in cooperation with the rear mold, so as to form a second metal layer on the first metal layer; and

pressing the second metal layer with a pressure, wherein the second front mold comprises a pressing component, for applying a pressure to the second metal layer located in the mold.

~~8. The method according to Claim 7, further comprising:~~

~~pressing the second metal layer with a pressure.~~

~~9~~8. The method according to Claim 7, further comprising: relatively moving the rear mold between the first front mold and the second front mold.

~~10~~9. The method according to Claim 7, wherein the materials of the first metal layer and the second metal layer comprise stainless steel, zinc,

aluminum, magnesium, chromium, titanium, copper, beryllium, nickel or an alloy thereof.

~~11~~10. A device for manufacturing a cover comprising multiple metal layers, comprising:

a first front mold, operating in cooperation with a rear mold and used to inject a first metal in liquid form, so as to form a first metal layer; and

a second front mold, operating in cooperation with the rear mold and used to inject a second metal in liquid form onto the first metal layer in a semi-solid molten state, so as to form a second metal layer on the first metal layer, wherein the second front mold comprises a pressing component, for applying a pressure to the second metal layer.

~~12. The device according to Claim 11, wherein the second front mold further comprises a pressing component, for applying a pressure to the second metal layer.~~

~~13~~11. The device according to Claim ~~12~~ 10, wherein a reserved space is provided between the rear mold and the pressing component, so that the second metal in liquid form is injected into the reserved space, and the rear mold further comprises an overflow port, so that a surplus of the second metal in liquid form overflows through the overflow port when the pressing component presses the second metal layer.

~~14~~12. The device according to Claim ~~11~~ 10, further comprising: a movement component, for relatively moving the rear mold between the first front mold and the second front mold.

~~15~~13. The device according to Claim ~~11~~ 10, wherein the materials of the first metal layer and the second metal layer comprise stainless steel, zinc,

aluminum, magnesium, chromium, titanium, copper, beryllium, nickel or an alloy thereof.