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Fischer

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(54) **BRACKET COVER FLASHING SYSTEM AND METHOD OF USE**

E04D 13/15; E04D 5/142; E04D 5/146;
E04F 10/005; E04F 10/08; E04B 1/40;
E04B 2001/405; B32B 2419/06

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USPC 52/58, 60, 94, 97
See application file for complete search history.

(72) Inventor: **Todd Fischer**, Redding, CA (US)

(56) **References Cited**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

U.S. PATENT DOCUMENTS

(21) Appl. No.: **15/811,266**

720,811 A * 2/1903 Ingram E04D 13/1415
52/58
2,648,105 A * 8/1953 Kurtz E04F 10/08
52/75
2,776,460 A * 1/1957 Bottom E04F 10/08
16/264
2,797,451 A * 7/1957 Brown E04F 10/08
52/473
2,807,061 A * 9/1957 Stone E04F 10/005
52/74
2,895,185 A * 7/1959 Preaus E04F 10/08
52/465
2,990,590 A * 7/1961 Graveley E04F 10/08
403/189

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(Continued)

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E04D 13/14 (2006.01)

E04D 13/147 (2006.01)

E04D 5/14 (2006.01)

E04B 1/38 (2006.01)

E04B 1/41 (2006.01)

E04F 10/00 (2006.01)

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(52) **U.S. Cl.**

CPC **E04D 13/14** (2013.01); **E04D 5/142**
(2013.01); **E04D 13/147** (2013.01); **B32B**
2419/06 (2013.01); **E04B 1/40** (2013.01);
E04B 2001/405 (2013.01); **E04F 10/005**
(2013.01)

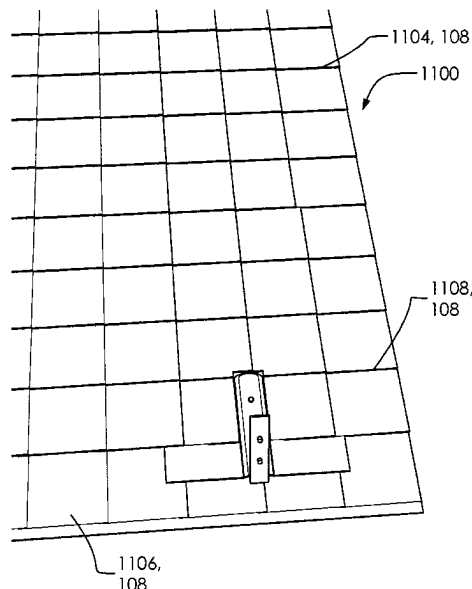
(57) **ABSTRACT**

A bracket-flashing assembly for roofing in a bracket. Said bracket-flashing assembly comprise said bracket, a bracket cover and a fasteners. Said bracket comprise a fastener apertures configured to receive a portion of said fasteners to selectively attach said bracket-flashing assembly to a fixed structure and an added fixture. Said bracket comprise a first portion and a second portion. Said first portion is attached to said second portion at an elbow. Said bracket cover comprises a raised portion and a body. Said raised portion comprises a stamped portion of said raised portion being shaped to selectively encase a portion of said second portion.

(58) **Field of Classification Search**

CPC ... E04D 13/14; E04D 13/1415; E04D 13/155;
E04D 13/0305; E04D 13/031; E04D
13/0315; E04D 13/032; E04D 13/1407;

9 Claims, 17 Drawing Sheets



(56)	References Cited				7,921,607 B2 *	4/2011	Thompson		F24S 25/61
	U.S. PATENT DOCUMENTS				8,136,319 B2 *	3/2012	Kelly		52/60 E04D 11/02
2,996,843	A *	8/1961	Mack	 E04D 13/1475	8,567,143 B2 *	10/2013	Kalwara		52/408 E04D 13/1407
3,388,510	A *	6/1968	Smith	 E04F 10/08	8,631,611 B2 *	1/2014	Kalwara		52/309.1 E04D 13/1407
RE27,502	E *	10/1972	Martin	 E04D 1/265	8,713,858 B1 *	5/2014	Xie		428/40.1 E04D 13/147
3,698,142	A *	10/1972	Theriault	 E04D 13/1475	2003/0046878	A1 *	3/2003	Zdeb	 E04D 3/40
4,468,899	A *	9/1984	Miller	 E04D 13/031	2005/0183345	A1 *	8/2005	Allen	 E04D 13/1478
4,625,469	A *	12/1986	Gentry	 E04D 3/3601	2006/0053699	A1 *	3/2006	Lolley	 E02D 31/02
4,932,171	A *	6/1990	Beattie	 E04D 13/1415	2006/0156648	A1 *	7/2006	Thompson	 F24S 25/61
5,027,576	A *	7/1991	Gustavsson	 E04D 13/1475	2006/0174552	A1 *	8/2006	Nocito	 E04D 13/10
5,072,552	A *	12/1991	Sauder	 E04D 13/1407	2006/0265970	A1 *	11/2006	Hoffman	 E04D 1/36
5,309,685	A *	5/1994	Rathgeber	 E04D 5/142	2007/0199250	A1 *	8/2007	Haynes	 E04D 1/36
5,381,632	A *	1/1995	Damron	 E04D 13/1475	2009/0229193	A1 *	9/2009	Ellingson	 E06B 1/62
5,746,027	A *	5/1998	Bonerb	 E04D 13/0762	2010/0139186	A1 *	6/2010	Laremore	 E04D 13/0315
5,806,255	A *	9/1998	Verby	 E04D 13/0315	2010/0236155	A1 *	9/2010	Lanza	 E04D 1/30
6,003,276	A *	12/1999	Hegemier	 E04H 9/02	2013/0174496	A1 *	7/2013	Lanza	 E04D 1/30
6,088,992	A *	7/2000	Nunley	 E04D 3/40	2014/0134373	A1 *	5/2014	Kalwara	 E04D 13/064
6,681,530	B1 *	1/2004	Givens	 E04D 13/1407					428/41.8
				108/16	* cited by examiner				

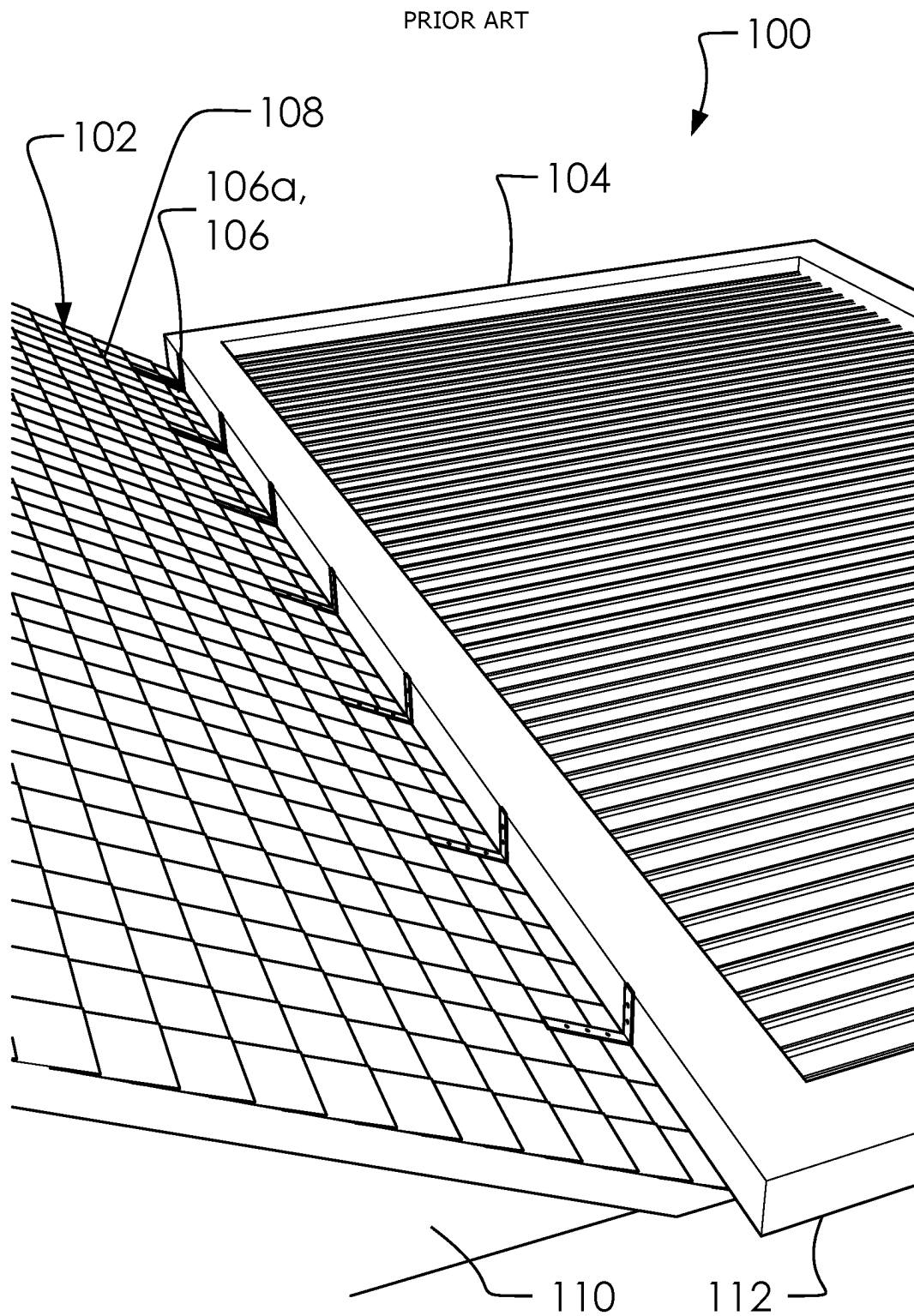


FIG. 1

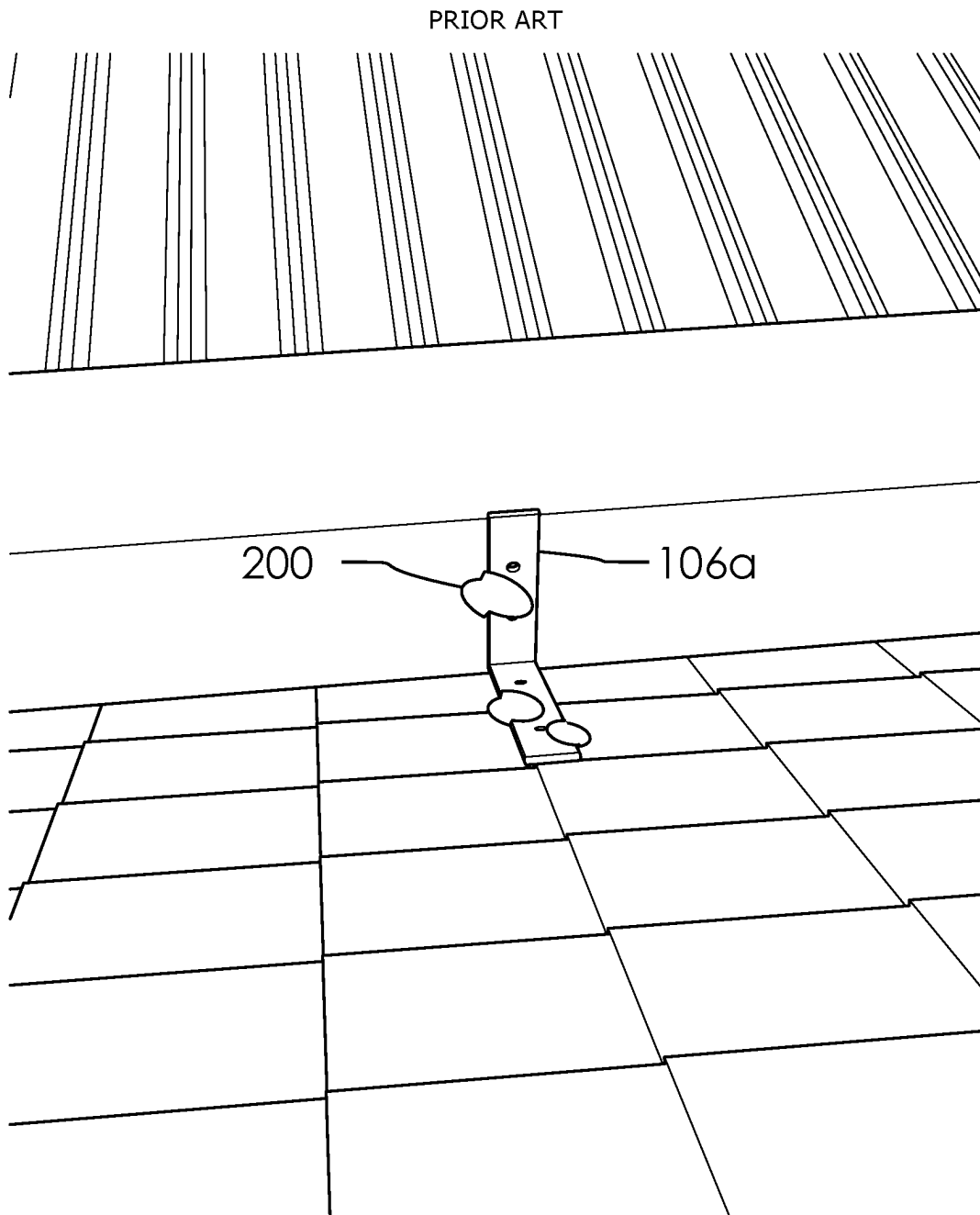


FIG. 2

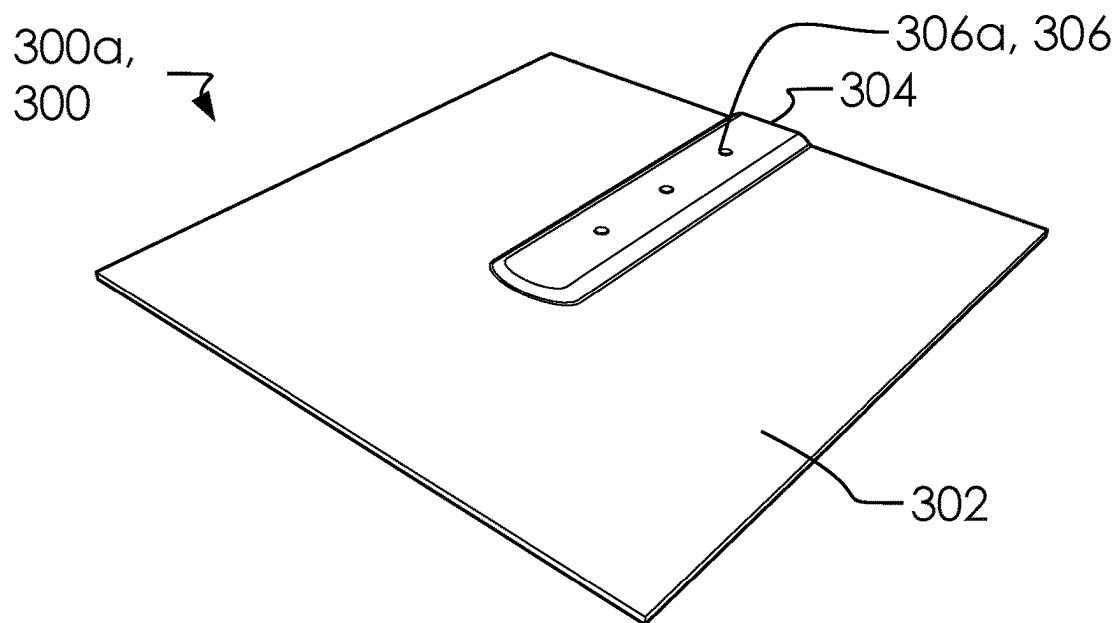


FIG. 3A

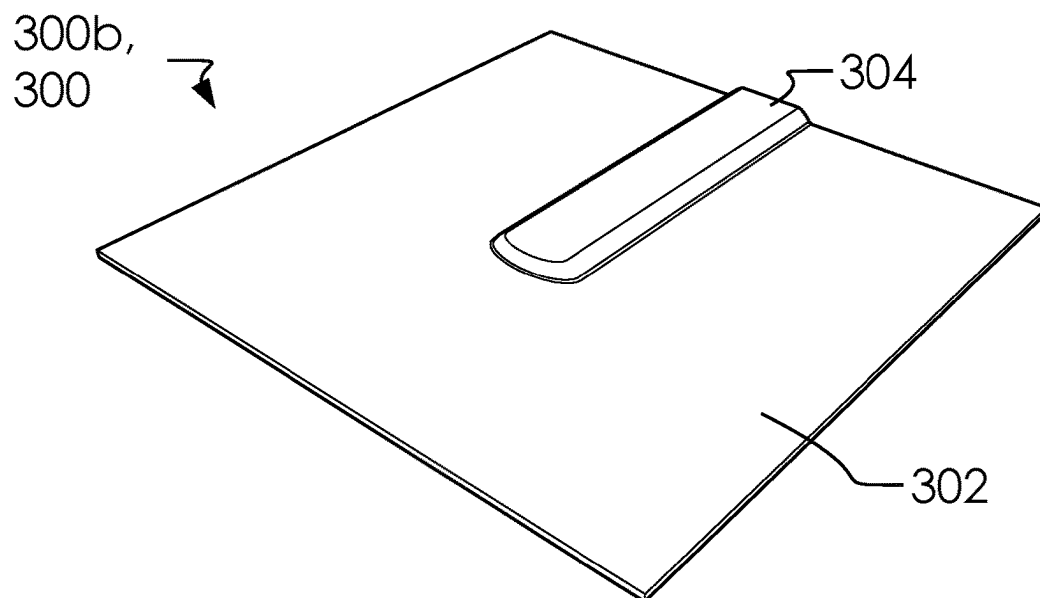


FIG. 3B

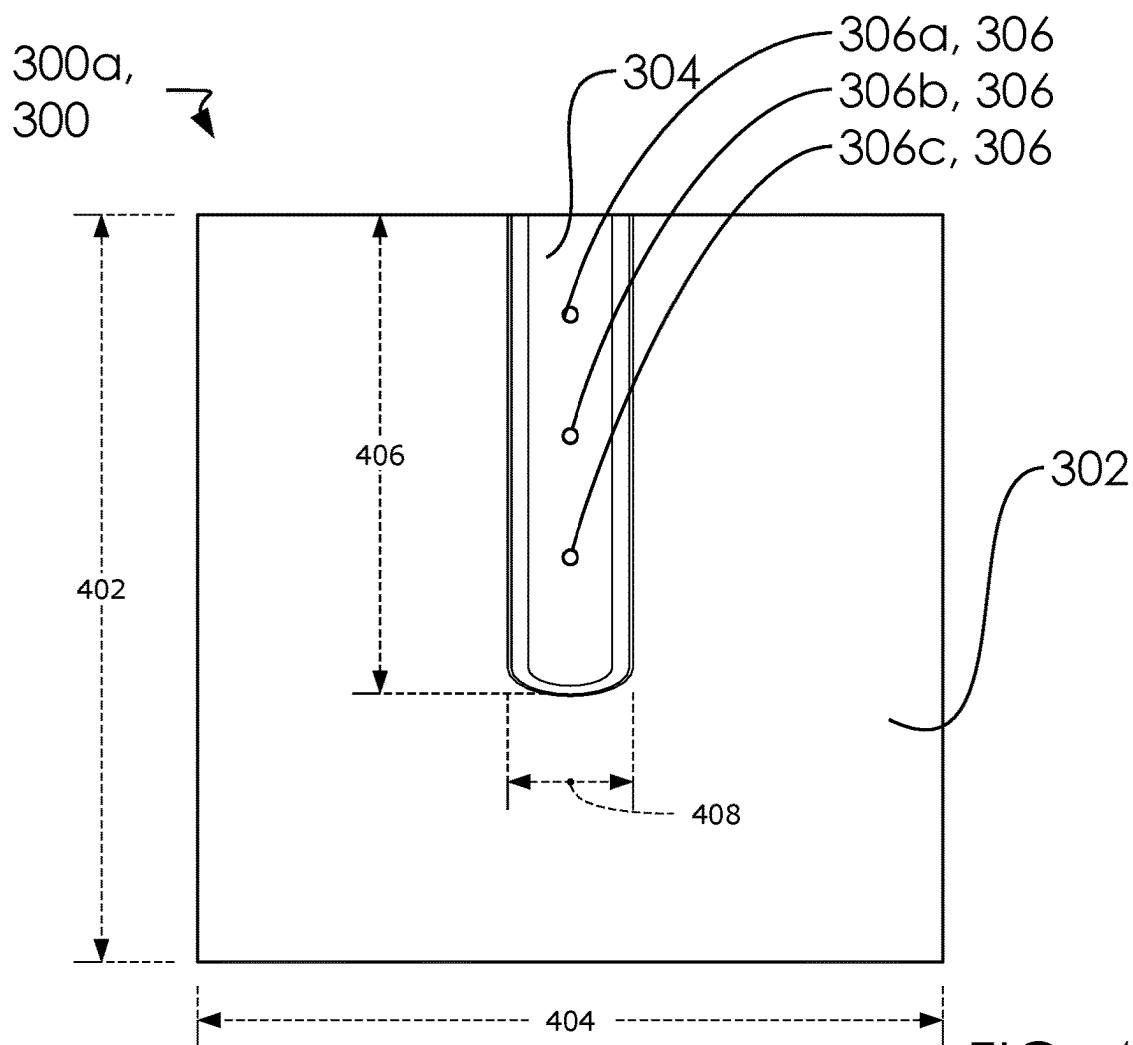


FIG. 4A

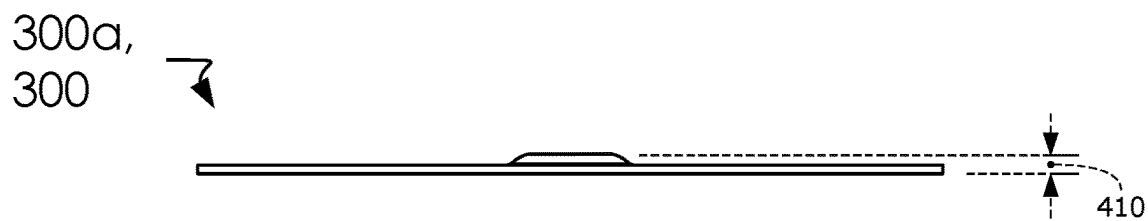


FIG. 4B

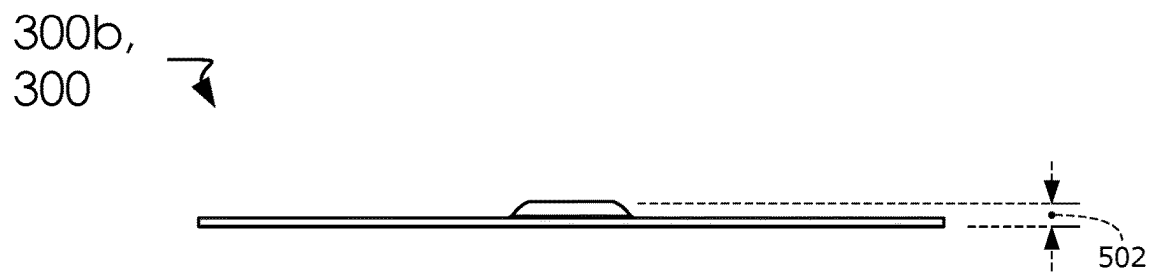
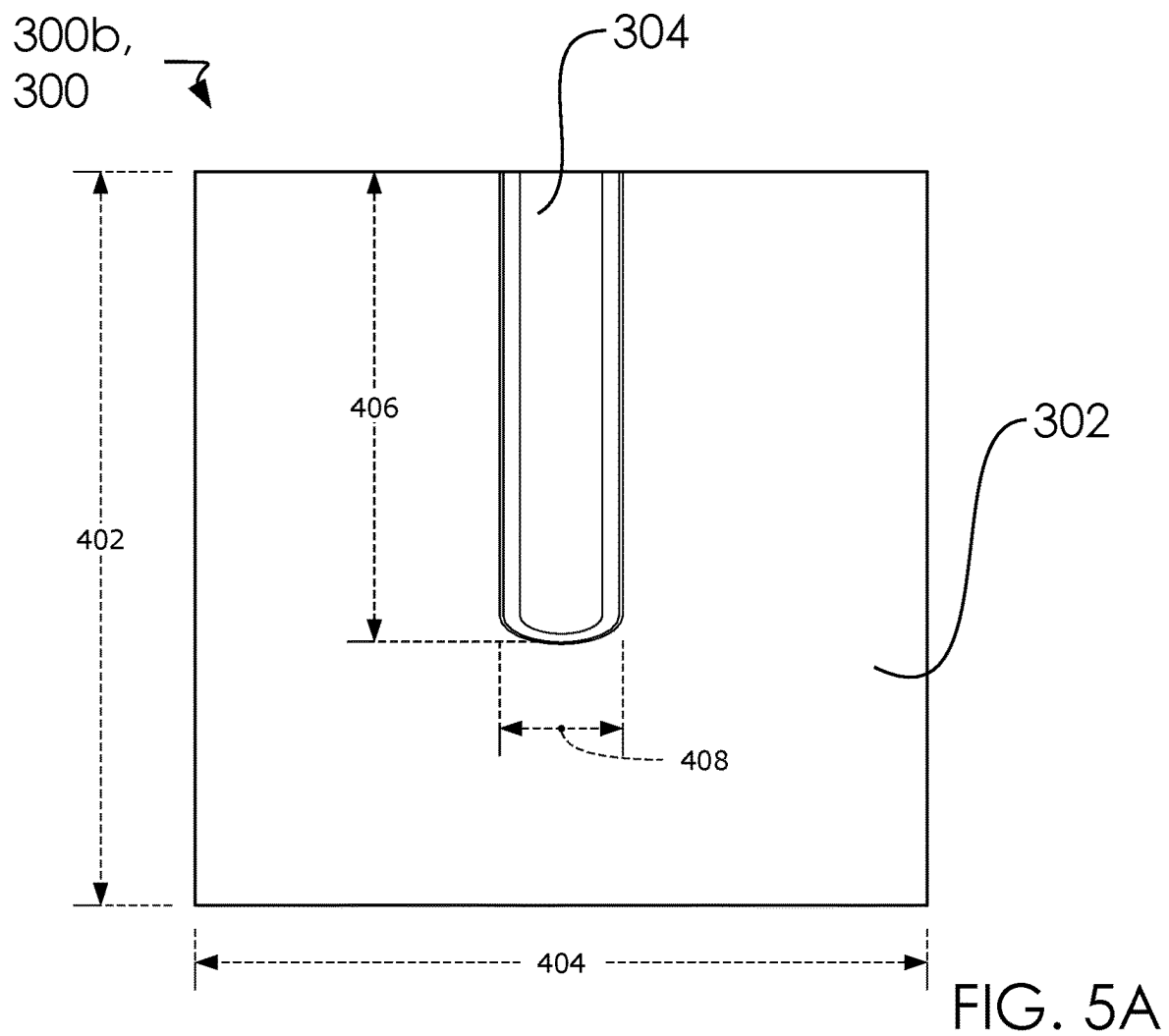


FIG. 5B

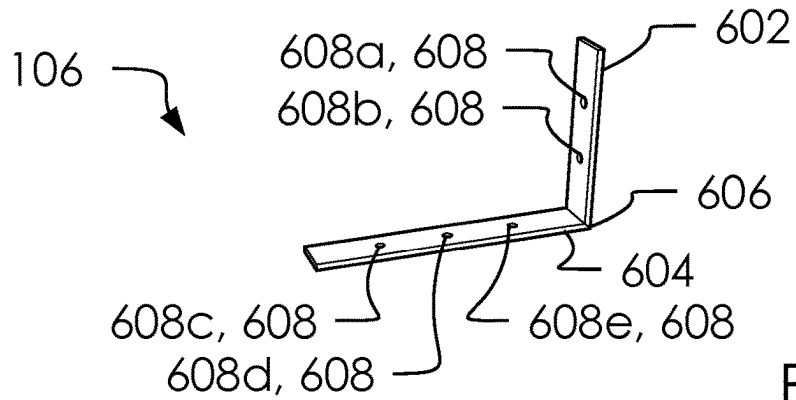


FIG. 6A

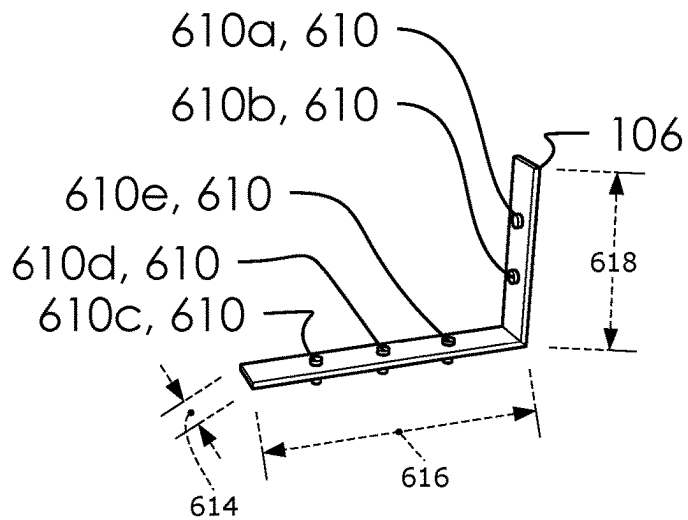


FIG. 6B

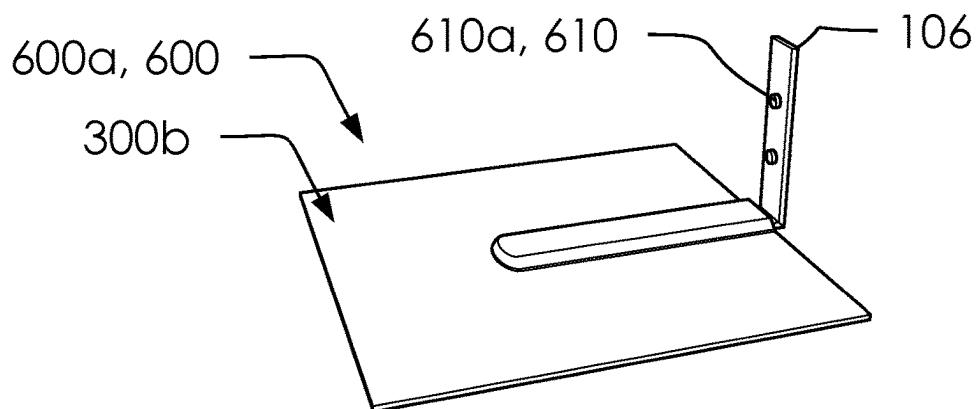


FIG. 6C

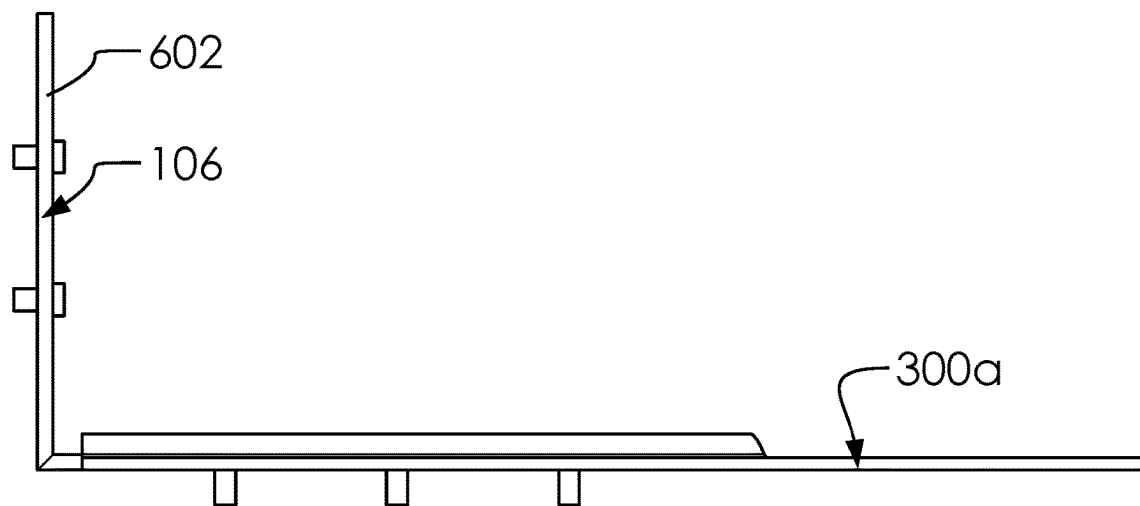


FIG. 7A

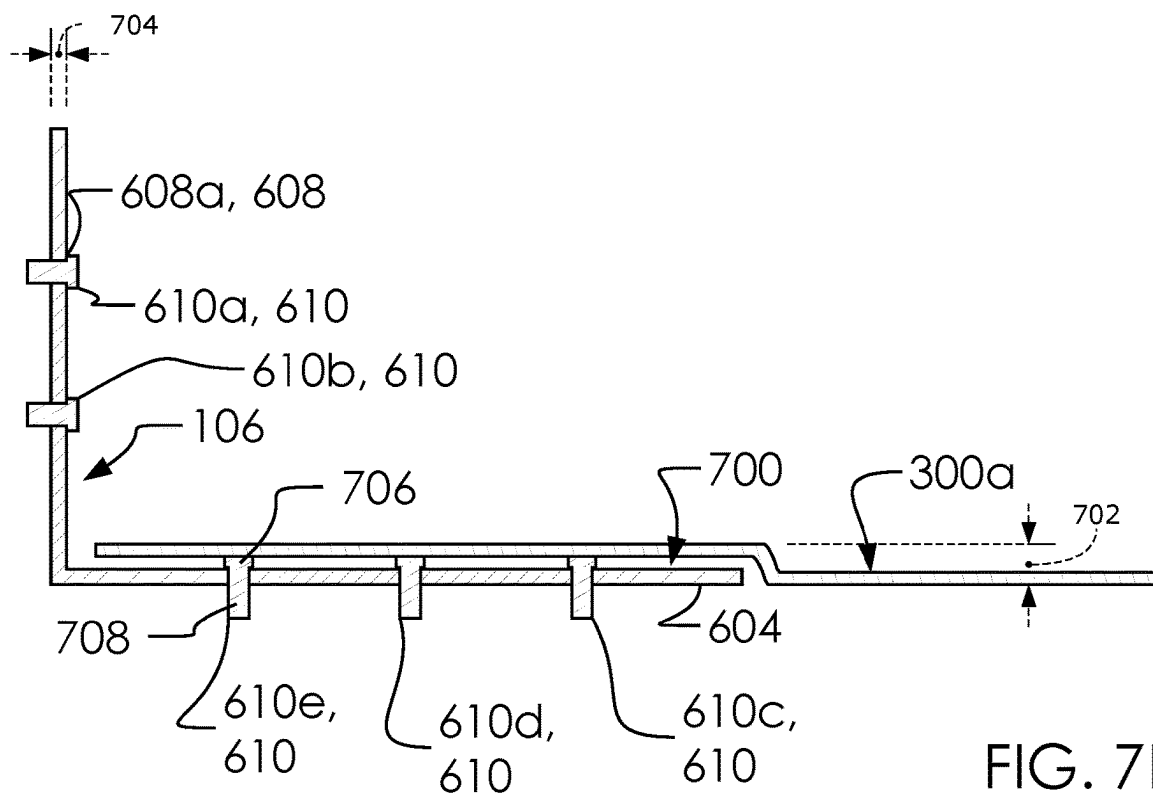


FIG. 7B

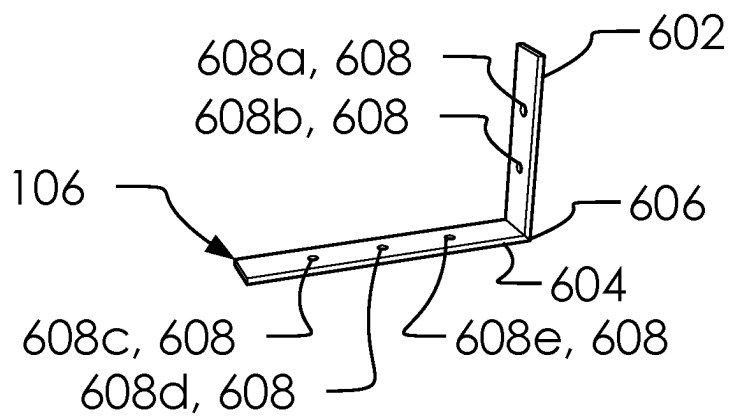


FIG. 8A

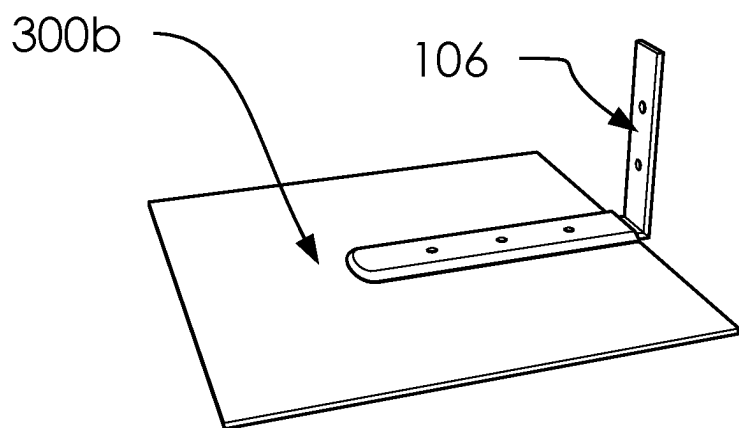


FIG. 8B

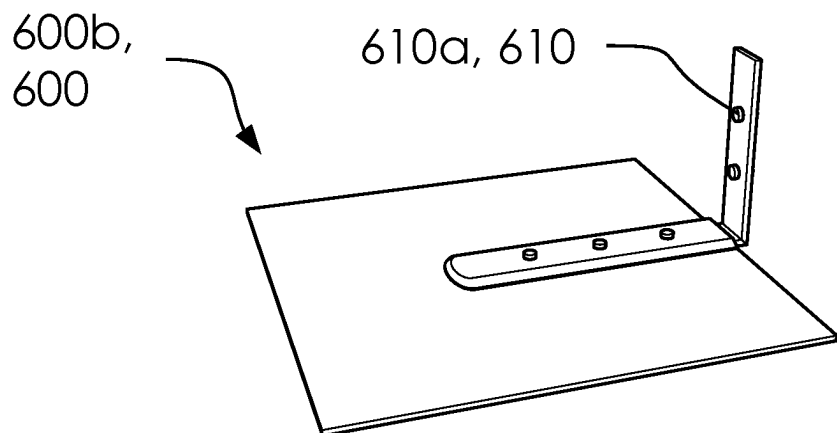


FIG. 8C

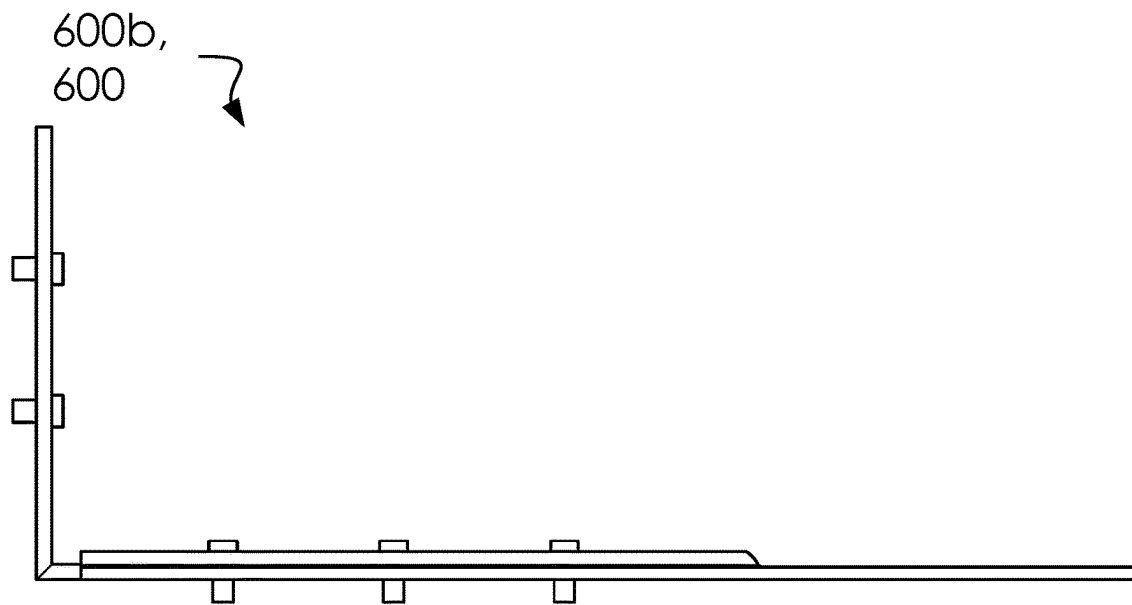


FIG. 9A

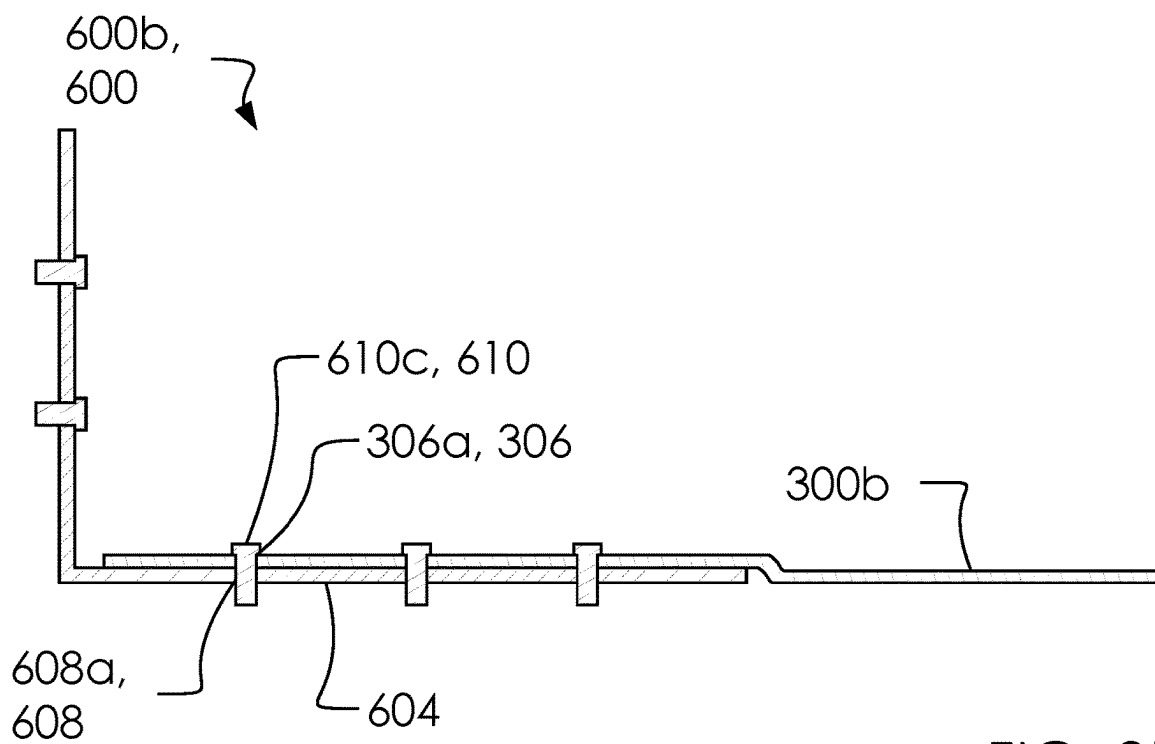


FIG. 9B

1002a,
1002

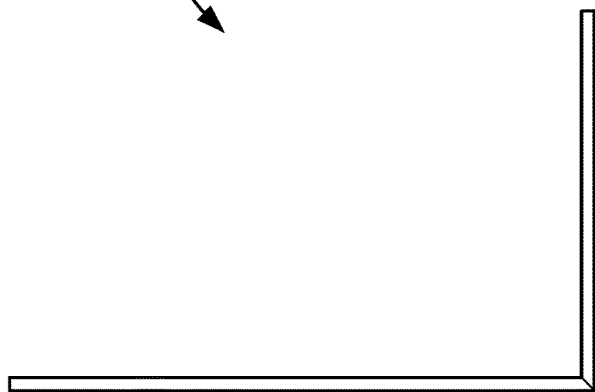


FIG. 10A

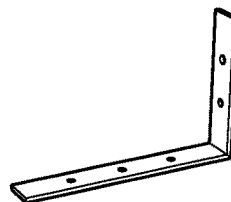


FIG. 10B

1002b,
1002

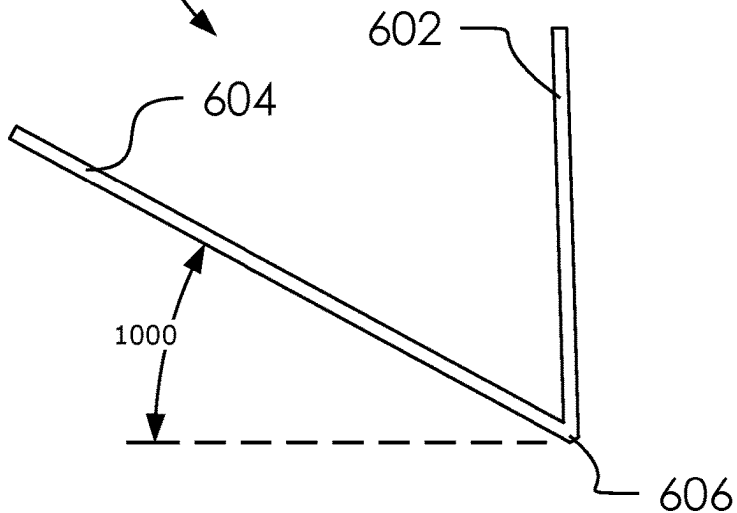


FIG. 10C

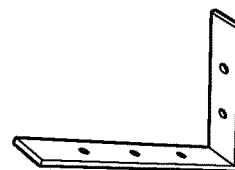


FIG. 10D

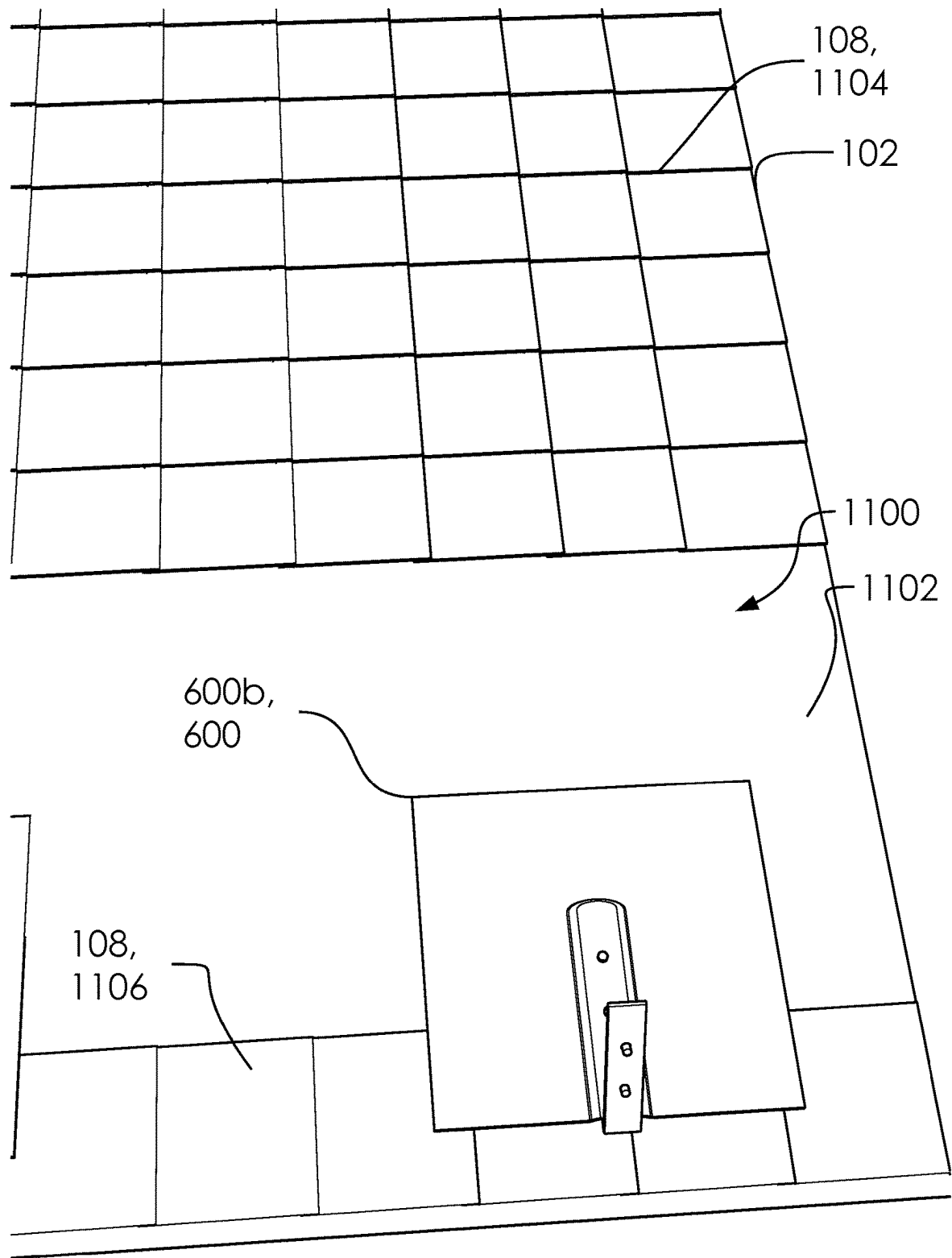


FIG. 11

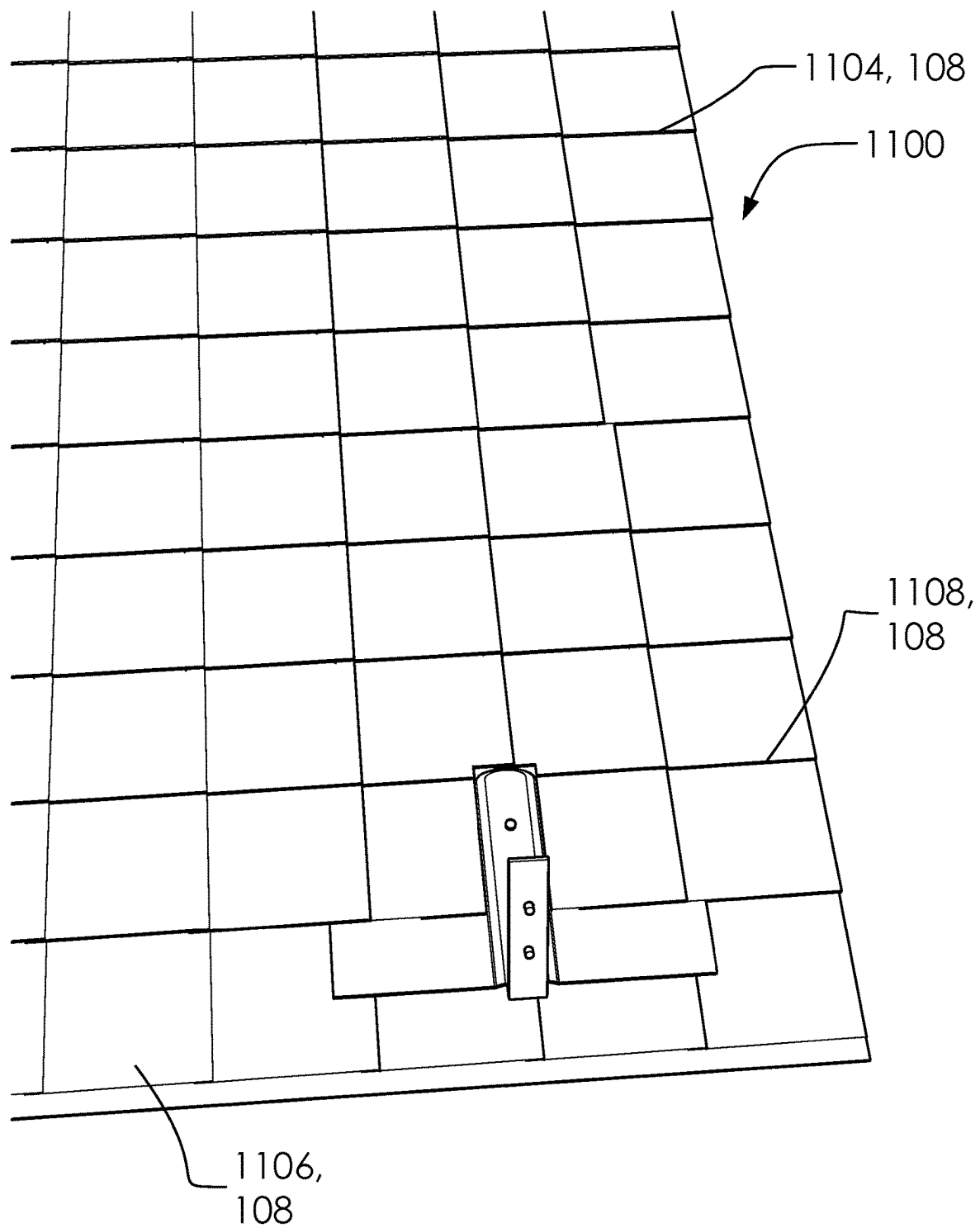


FIG. 12

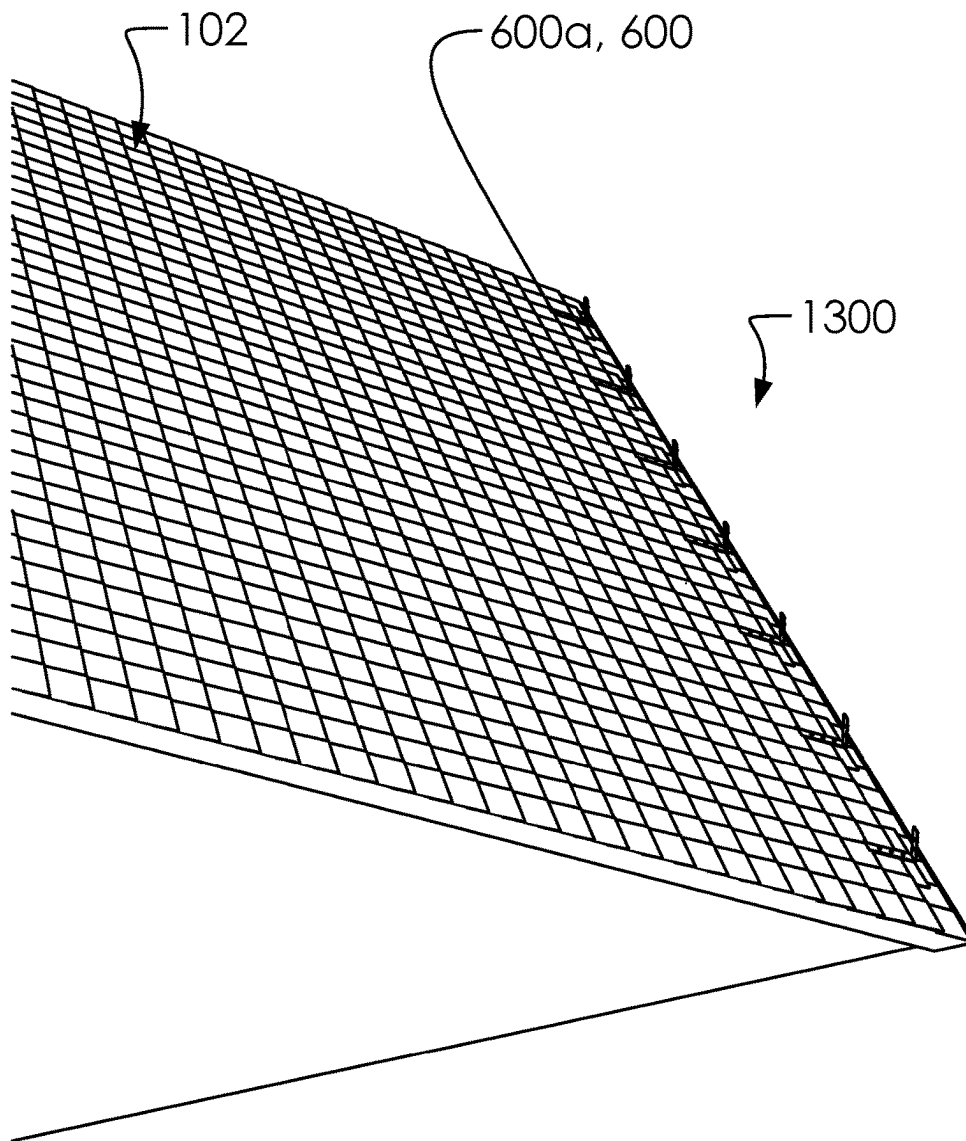


FIG. 13

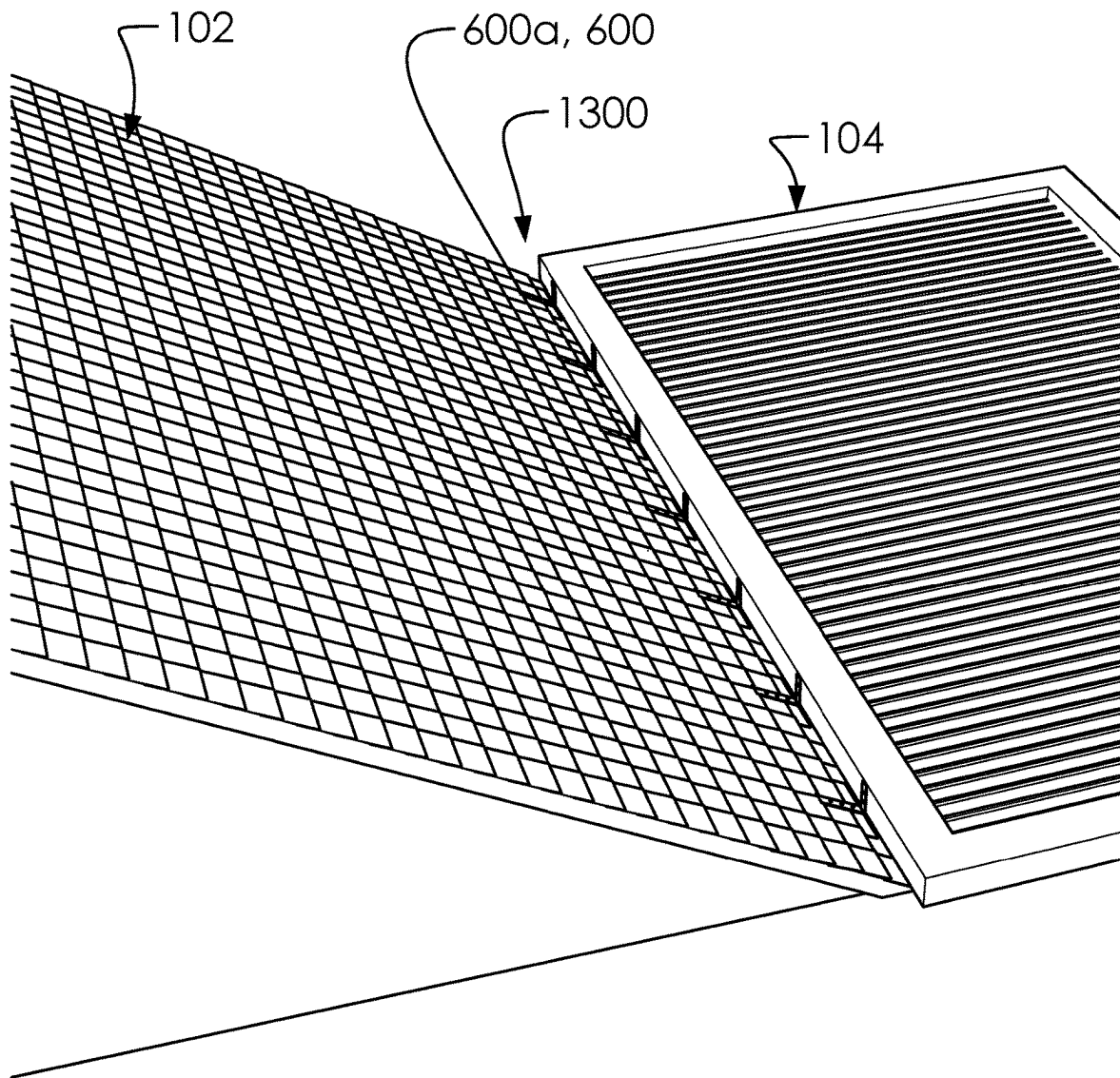


FIG. 14

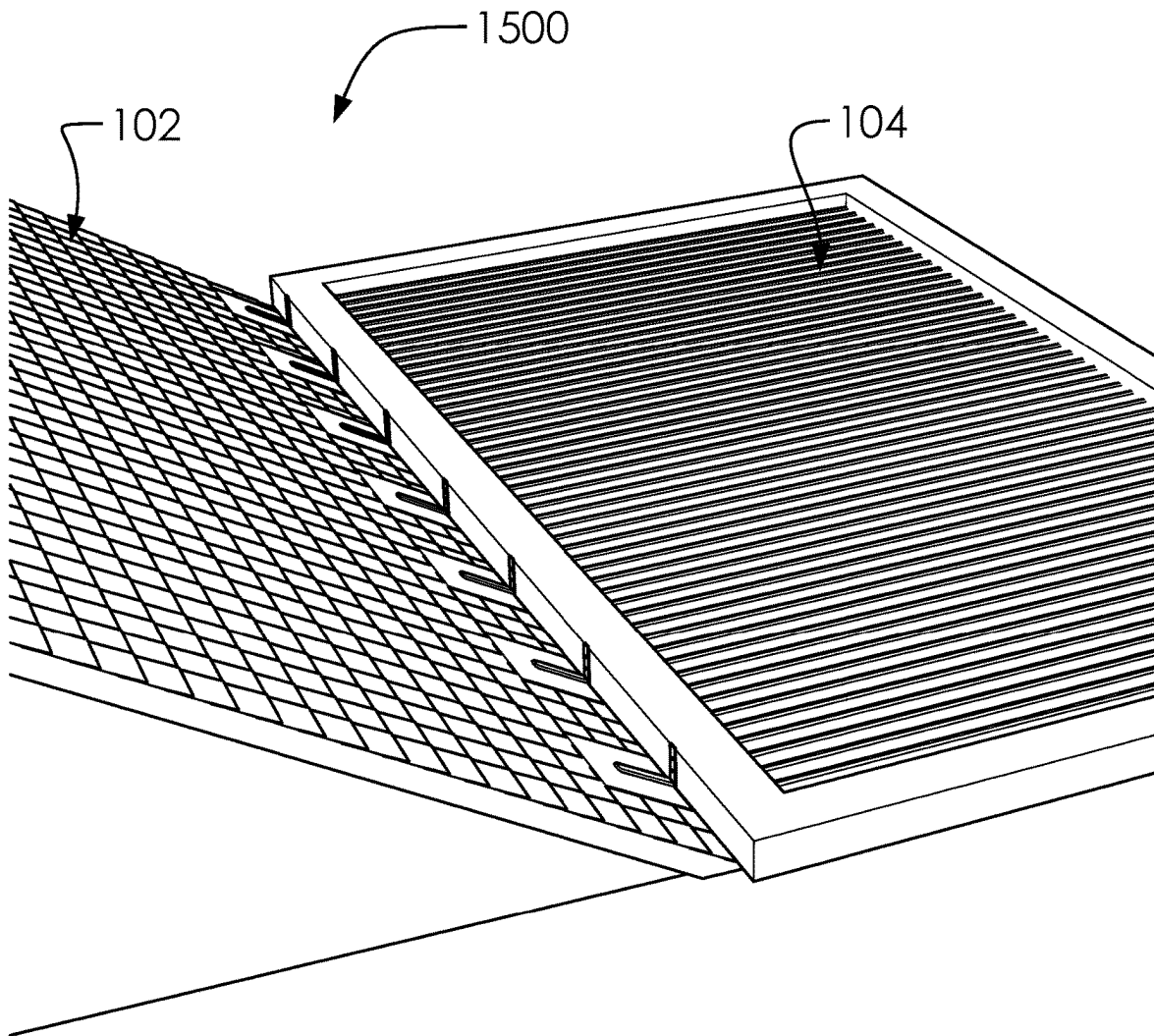


FIG. 15

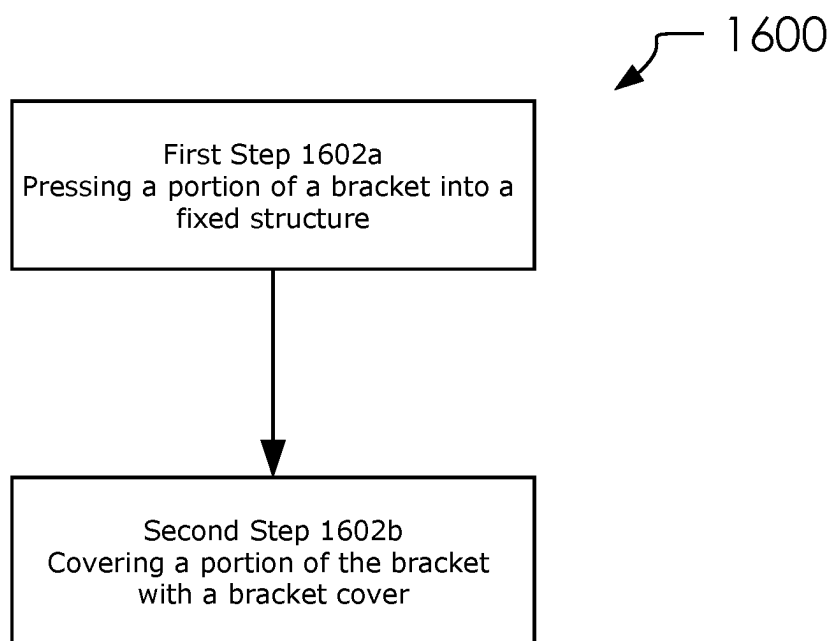


FIG. 16

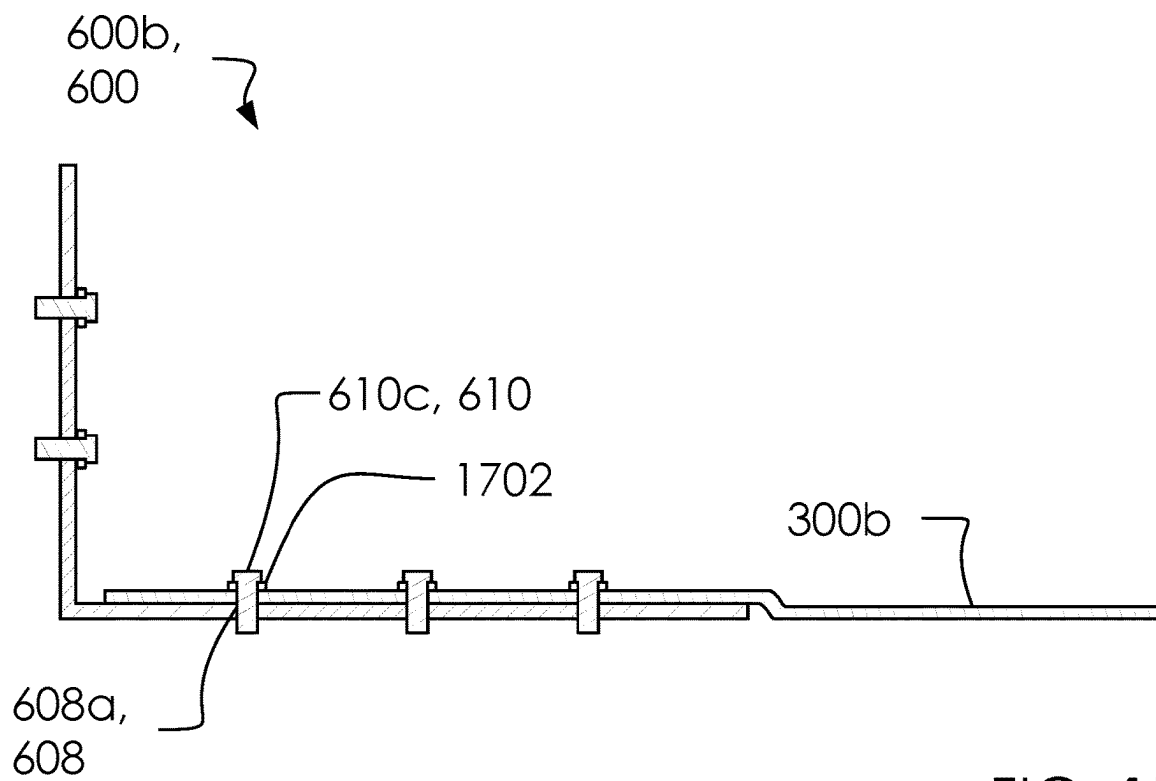


FIG. 17

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**BRACKET COVER FLASHING SYSTEM AND
METHOD OF USE****CROSS-REFERENCE TO RELATED
APPLICATIONS**

This application claims benefit to U.S. Patent Application Number(s) 62/510,909 filed on May 25, 2017.

**STATEMENT REGARDING FEDERALLY
SPONSORED RESEARCH OR DEVELOPMENT
(IF APPLICABLE)**

Not applicable.

**REFERENCE TO SEQUENCE LISTING, A
TABLE, OR A COMPUTER PROGRAM LISTING
COMPACT DISC APPENDIX (IF APPLICABLE)**

Not applicable.

BACKGROUND OF THE INVENTION

None of the known inventions and patents, taken either singularly or in combination, is seen to describe the instant disclosure as claimed.

BRIEF SUMMARY OF THE INVENTION

A bracket-flashing assembly for roofing in a bracket. Said bracket-flashing assembly comprise said bracket, a bracket cover and a plurality of fasteners. Said bracket comprise a plurality of fastener apertures configured to receive a portion of said plurality of fasteners to selectively attach said bracket-flashing assembly to a fixed structure and an added fixture. Said bracket comprise a first portion and a second portion. Said first portion is attached to said second portion at an elbow. Said bracket cover comprises a raised portion and a body. Said raised portion comprises a stamped portion of said raised portion being shaped to selectively encase a portion of said second portion. Said bracket cover is configured to seal a portion of said bracket by securing said second portion of said bracket to said fixed structure with a portion of said plurality of fasteners, and encasing a portion of said second portion of said bracket between said fixed structure and said bracket cover. Said raised portion comprises a depth and a width. Said second portion comprises a length, a width and a height. Said depth of said raised portion and said width of said raised portion are larger than said width and said length of said second portion. Said raised portion of said bracket cover comprise said height being larger than a thickness of said bracket. Said body of said bracket cover comprises a depth and a width. Said first portion and said second portion are adjustably attached to one another at said elbow. Said bracket comprises a pliable metal material. Said elbow comprises a bend angle. Said bend angle initially comprises a right angle but can be selectively altered to accommodate different configurations of said fixed structure and said added fixture. Said bracket cover comprises a gap below said raised portion. Said raised portion comprises said height. Said height comprise said thickness of said bracket with additional space to accommodate a head of said plurality of fasteners. Said plurality of fasteners comprise said head and a shaft. A portion of said plurality of fasteners are configured to slide through a portion of said second portion and into said fixed structure. Said raised portion covers a portion of said second portion

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and said head of said plurality of fasteners. Said plurality of fasteners press said bracket into a portion of said fixed structure. Said fixed structure comprises a plurality of shingles. Said bracket cover comprises aluminum in order to maintain the shape of said body and said raised portion and to maintain rust-free operation of said bracket cover in wet and dry weather conditions. Said added fixture comprise an awning.

A bracket-flashing assembly for roofing in a bracket. Said bracket-flashing assembly comprise said bracket, a bracket cover and a plurality of fasteners. Said bracket comprise a plurality of fastener apertures configured to receive a portion of said plurality of fasteners to selectively attach said bracket-flashing assembly to a fixed structure and an added fixture. Said bracket comprise a first portion and a second portion. Said first portion is attached to said second portion at an elbow. Said bracket cover comprises a raised portion and a body. Said raised portion comprises a stamped portion of said raised portion being shaped to selectively encase a portion of said second portion. Said bracket cover is configured to seal a portion of said bracket by securing said second portion of said bracket to said fixed structure with a portion of said plurality of fasteners, and encasing a portion of said second portion of said bracket between said fixed structure and said bracket cover. Said raised portion comprises a depth and a width. Said second portion comprises a length, a width and a height. Said depth of said raised portion and said width of said raised portion are larger than said width and said length of said second portion. Said raised portion of said bracket cover comprise said height being larger than a thickness of said bracket. Said body of said bracket cover comprises a depth and a width.

A method of installing a bracket-flashing assembly. Comprising sealing a portion of a bracket with a bracket cover by: securing a second portion of said bracket to a fixed structure with a portion of a fasteners, and encasing a portion of said second portion of said bracket between said fixed structure and 300. A bracket-flashing assembly comprise said bracket, said bracket cover and said plurality of fasteners. Said bracket comprise a plurality of fastener apertures configured to receive a portion of said plurality of fasteners to selectively attach said bracket-flashing assembly to said fixed structure and an added fixture. Said bracket comprise a first portion and said second portion. Said first portion is attached to said second portion at an elbow. Said bracket cover comprises a raised portion and a body. Said raised portion comprises a stamped portion of said raised portion being shaped to selectively encase a portion of said second portion. Said raised portion comprises a depth and a width. Said second portion comprises a length, a width and a height. Said depth of said raised portion and said width of said raised portion are larger than said width and said length of said second portion. Said raised portion of said bracket cover comprise said height being larger than a thickness of said bracket. Said body of said bracket comprises a depth and a width. Said first portion and said second portion are adjustably attached to one another at said elbow. Said bracket comprises a pliable metal material. Said elbow comprises a bend angle. Said bend angle initially comprises a right angle but can be selectively altered to accommodate different configurations of said fixed structure and said added fixture. Said bracket cover comprises a gap below said raised portion. Said raised portion comprises said height. Said height comprise said thickness of said bracket with additional space to accommodate a head of said plurality of fasteners. Said plurality of fasteners comprise said head and a shaft. A portion of said plurality of fasteners are configured

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to slide through a portion of said second portion and into said fixed structure. Said raised portion covers a portion of said second portion and said head of said plurality of fasteners. Said plurality of fasteners press said bracket into a portion of said fixed structure. Said fixed structure comprises a plurality of shingles. Said added fixture comprise an awning.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

FIG. 1 illustrates a perspective overview view of a prior art shade installation **100**.

FIG. 2 illustrates a perspective overview view of a prior art shade installation **100**.

FIG. 3A illustrates a perspective overview view of a drilled bracket cover **300a**.

FIG. 3B illustrates a perspective overview view of an undrilled bracket cover **300b**.

FIG. 4A illustrates an elevated top side view of a drilled bracket cover **300a**.

FIG. 4B illustrates an elevated front side view of a drilled bracket cover **300a**.

FIG. 5A illustrates an elevated top side view of an undrilled bracket cover **300b**.

FIG. 5B illustrates an elevated front side view of an undrilled bracket cover **300b**.

FIG. 6A illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a**.

FIG. 6B illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a** with said one or more fasteners **610**.

FIG. 6C illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a**.

FIG. 7A illustrates an elevated front side view of an undrilled bracket-flashing assembly **600a**.

FIG. 7B illustrates an elevated front side view of an undrilled bracket-flashing assembly **600a** in cross-section.

FIG. 8A illustrates a perspective overview view of a bracket **106**.

FIG. 8B illustrates a perspective overview view of a drilled bracket-flashing assembly **600b**.

FIG. 8C illustrates a perspective overview view of a drilled bracket-flashing assembly **600b**.

FIG. 9A illustrates an elevated front side view of a drilled bracket-flashing assembly **600b**.

FIG. 9B illustrates an elevated front side view of a drilled bracket-flashing assembly **600b** in cross-section.

FIG. 10A illustrates an elevated back side view of a first configuration **1002a**.

FIG. 10B illustrates a perspective back side view of a first configuration **1002a**.

FIG. 10C illustrates an elevated back side view of a second configuration **1002b**.

FIG. 10D illustrates a perspective back side view of a second configuration **1002b**.

FIG. 11 illustrates a perspective overview view of an installation diagram **1100**.

FIG. 12 illustrates a perspective overview view of an installation diagram **1100**.

FIG. 13 illustrates a perspective overview view of a plurality of improved bracket flashing systems **1300**.

FIG. 14 illustrates a perspective overview view of a plurality of improved bracket flashing systems **1300**.

FIG. 15 illustrates a perspective overview view of a prior art repair configuration **1500**.

FIG. 16 illustrates a flow chart.

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FIG. 17 illustrates an elevated side view in section cut of drilled bracket-flashing assembly **600b**.

DETAILED DESCRIPTION OF THE INVENTION

The following description is presented to enable any person skilled in the art to make and use the invention as claimed and is provided in the context of the particular examples discussed below, variations of which will be readily apparent to those skilled in the art. In the interest of clarity, not all features of an actual implementation are described in this specification. It will be appreciated that in the development of any such actual implementation (as in any development project), design decisions must be made to achieve the designers' specific goals (e.g., compliance with system- and business-related constraints), and that these goals will vary from one implementation to another. It will also be appreciated that such development effort might be complex and time-consuming, but would nevertheless be a routine undertaking for those of ordinary skill in the field of the appropriate art having the benefit of this disclosure. Accordingly, the claims appended hereto are not intended to be limited by the disclosed embodiments, but are to be accorded their widest scope consistent with the principles and features disclosed herein.

These parts are illustrated in the figures and discussed below:

a prior art shade installation **100**

a roof **102**

an awning **104**

a bracket **106**

a first bracket **106a**

a second bracket **106b**

a third bracket **106c**

a fourth bracket **106d**

a fifth bracket **106e**

a sixth bracket **106f**

a seventh bracket **106g**

a plurality of shingles **108**

a fixed structure **110**

an added fixture **112**

a sealer **200**

a bracket cover **300**

a drilled bracket cover **300a**

an undrilled bracket cover **300b**

a body **302**

a raised portion **304**

a plurality of fastener apertures **306**

a first fastener aperture **306a**

a second fastener aperture **306b**

a third fastener aperture **306c**

a plurality of washers **308**

a depth **402**

a width **404**

a depth **406**

a width **408**

a height **410**

a height **502**

a bracket-flashing assembly **600**

an undrilled bracket-flashing assembly **600a**

a drilled bracket-flashing assembly **600b**

a first portion **602**

a second portion **604**

an elbow **606**

a plurality of fastener apertures **608**

a first fastener aperture **608a**

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a second fastener aperture **608b**
 a third fastener aperture **608c**
 a fourth fastener aperture **608d**
 a fifth fastener aperture **608e**
 a plurality of fasteners **610**
 a first fastener **610a**
 a second fastener **610b**
 a third fastener **610c**
 a fourth fastener **610d**
 a fifth fastener **610e**
 a width **614**
 a length **616**
 a height **618**
 a gap **700**
 a height **702**
 a thickness **704**
 a head **706**
 a shaft **708**
 a bend angle **1000**
 a one or more configurations **1002**
 a first configuration **1002a**
 a second configuration **1002b**
 an installation diagram **1100**
 a structure **1102**
 an upper portion **1104**
 a lower portion **1106**
 a middle portion **1108**
 a plurality of improved bracket flashing systems **1300**
 a prior art repair configuration **1500**
 a method of installing a bracket-flashing assembly **1600**
 a first step **1600a**
 a second step **1600b**
 a plurality of washers **1702**

FIG. 1 illustrates a perspective overview view of a prior art shade installation **100**.

In one embodiment, said prior art shade installation **100** can comprise said roof **102**, said awning **104**, said awning **104** and said bracket **106**.

In one embodiment, said roof **102** can comprise said plurality of shingles **108**.

In one embodiment, said bracket **106** can comprise said first bracket **106a**, said second bracket **106b**, said third bracket **106c**, said fourth bracket **106d**, said fifth bracket **106e**, said sixth bracket **106f** and said seventh bracket **106g**.

In one embodiment, said prior art shade installation **100** can comprise a traditional approach for attaching said awning **104** to said roof **102**; wherein, said bracket **106** are bolted into each of said awning **104** and said roof **102** and intended to hold indefinitely.

Unfortunately, many installs of said awning **104** fail to account for environmental factors such as moisture seeping into said roof **102** through installation holes created by said bracket **106** and their bolts. Although sealants are often used in the industry, the sealants in use are not sufficient to keep out moisture for long periods of time. More on this below.

As shown in said prior art shade installation **100**, some installers of said awning **104** will merely drill said bracket **106** into said roof **102** through said plurality of shingles **108** without regard to the condition of said plurality of shingles **108** after the installation. The current disclosure addresses this issue as well as proposing a preferred approach to using the current system.

In one embodiment, said awning **104** can comprise a shade attached to a side of a home or structure (such as roof **102**). Further, said awning **104** can be substituted for other fixtures to be attached to a structure, such as a pergola or

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similar. Wherein, the current system would be useful in those alternative environments, as is known in the art.

Examples of said awning **104** can include “limo wood awnings”. In any case, it is known that builders are often called upon to install said awning **104** for existing and new construction.

FIG. 2 illustrates a perspective overview view of a prior art shade installation **100**.

In one embodiment, said prior art shade installation **100** can comprise said sealer **200**.

Herein, FIG. 2 comprises and illustration of the perils of the prior art approach to protecting a home when installing said awning **104** into said roof **102**.

In one embodiment, said bracket **106** can be covered by said sealer **200** as a hopeful manner of preventing moisture and contaminants from seeping into said awning **104** and/or said roof **102**.

Examples of said sealer **200** can comprise roofer mastic, roofer’s tar, roofer’s pitch, or similar, as is known in the art. Regardless the name or style, all known sealants eventually leak. Even with a liberal coating of said sealer **200**, weather conditions will eventually wash away, and wear said sealer **200** to a point, as illustrated, where fasteners in said bracket **106** are no longer covered.

However, the prior art approach with said sealer **200** is well-known in the industry and common because it meets regulatory requirements. Many builders and roof installers are required to cover said bracket **106** with said sealer **200** to pass code requirements. Commonly, said sealer **200** can comprise a 2-year warranty. Suspiciously, said sealer **200** will often fail just out of warranty. A better approach would be substantially appreciated by homeowners and builders alike.

FIG. 3A illustrates a perspective overview view of a drilled bracket cover **300a**.

FIG. 3B illustrates a perspective overview view of an undrilled bracket cover **300b**.

In one embodiment, said bracket cover **300** can comprise said drilled bracket cover **300a**, said undrilled bracket cover **300b**, said body **302**, said raised portion **304**, said raised portion **304** and said plurality of fastener apertures **306**.

In one embodiment, said plurality of fastener apertures **306** can comprise said first fastener aperture **306a**, said second fastener aperture **306b** and said third fastener aperture **306c**.

In one embodiment, said bracket cover **300** can be used to seal said roof **102** and said bracket **106** and solve the problems as described above and as is known in the art.

Said bracket cover **300** can comprise said body **302** with said raised portion **304** stamped into said body **302** to provide a manner of sealing in a portion of said bracket **106**. In one embodiment, said body **302** can comprise 26 gage metal such as aluminum, stainless steel, galvanized billet, or similar as is known in the art. Said bracket cover **300** can comprise 8" square. Different sizes, materials and thicknesses for economic and case-by-case requirements. In one embodiment, bracket cover **300** can be constructed of stainless steel or aluminum. In a preferred embodiment, bracket cover **300** comprises aluminum in order to maintain the shape of body **302** and raised portion **304** and to ensure rust-free operation of bracket cover **300** in wet and dry weather conditions.

In one embodiment, a jig can be used to stamp out said bracket cover **300** and created said raised portion **304** and said plurality of fastener apertures **306**, as is known in the art.

FIG. 4A illustrates an elevated top side view of a drilled bracket cover **300a**.

FIG. 4B illustrates an elevated front side view of a drilled bracket cover **300a**.

In one embodiment, said drilled bracket cover **300a** can comprise said depth **402** and said width **404**.

In one embodiment, said raised portion **304** can comprise said depth **406**, said width **408** and said height **410**.

In one embodiment, said depth **402** and said width **404** can be equal to one another. In one embodiment, said depth **402** can be 6" or 8".

In one embodiment, said raised portion **304** can comprise a rectangular portion of said body **302** stamped so as to accommodate a portion of said bracket **106**.

In one embodiment, said height **410** can comprise ½" in height.

In one embodiment, said plurality of fastener apertures **306** can be equal in number and spacing to those of said bracket **106**, as is known in the art.

FIG. 5A illustrates an elevated top side view of an undrilled bracket cover **300b**.

FIG. 5B illustrates an elevated front side view of an undrilled bracket cover **300b**.

In one embodiment, said bracket **106** can comprise said height **502**.

In one embodiment, said undrilled bracket cover **300b** can comprise said height **502**.

In one embodiment, said height **502** can comprise ¾". Said undrilled bracket cover **300b** can omit said plurality of fastener apertures **306**.

FIG. 6A illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a**.

FIG. 6B illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a** with said one or more fasteners **610**.

FIG. 6C illustrates a perspective overview view of an undrilled bracket-flashing assembly **600a**.

In one embodiment, said bracket-flashing assembly **600** can comprise said undrilled bracket-flashing assembly **600a** and said drilled bracket-flashing assembly **600b**.

In one embodiment, said undrilled bracket-flashing assembly **600a** can comprise said plurality of fasteners **610**.

In one embodiment, said plurality of fastener apertures **608** can comprise said first fastener aperture **608a**, said second fastener aperture **608b**, said third fastener aperture **608c**, said fourth fastener aperture **608d** and said fifth fastener aperture **608e**.

In one embodiment, said plurality of fasteners **610** can comprise said first fastener **610a**, said second fastener **610b**, said third fastener **610c**, said fourth fastener **610d** and said fifth fastener **610e**.

In one embodiment, said drilled bracket-flashing assembly **600b** can comprise said plurality of fasteners **610**.

In one embodiment, said bracket **106** can comprise said bracket-flashing assembly **600**, said first portion **602**, said second portion **604**, said elbow **606**, said elbow **606**, said plurality of fastener apertures **608**, said fifth fastener aperture **608e**, said plurality of fasteners **610**, said width **614**, said length **616** and said height **618**.

Said second portion **604** and said first portion **602** can comprise a ½" or less thickness.

In one embodiment, said bracket-flashing assembly **600** can comprise said bracket **106**, said plurality of fasteners **610** and said bracket cover **300**.

In one embodiment, said plurality of fasteners **610** can slide through a portion of said bracket **106** at said plurality

of fastener apertures **608**, as is known in the art. Said first fastener **610a** through said first fastener aperture **608a**, and so on.

Said first portion **602** can comprise a substantially vertical portion of bracket **106** and second portion **604** can comprise a substantially horizontal portion of bracket **106**. Wherein, bracket **106** can be said to be an L-bracket.

FIG. 7A illustrates an elevated front side view of an undrilled bracket-flashing assembly **600a**.

FIG. 7B illustrates an elevated front side view of an undrilled bracket-flashing assembly **600a** in cross-section.

In one embodiment, said bracket **106** can comprise said thickness **704**.

In one embodiment, said drilled bracket cover **300a** can comprise said gap **700**.

In one embodiment, said raised portion **304** can comprise said height **702**.

In one embodiment, said plurality of fasteners **610** can comprise said head **706** and said shaft **708**.

In one embodiment, said drilled bracket cover **300a** can comprise said gap **700**. In one embodiment, said gap **700** can accommodate a portion of said third fastener **610c**, said fourth fastener **610d** and said fifth fastener **610e**, as illustrated.

FIG. 8A illustrates a perspective overview view of a bracket **106**.

FIG. 8B illustrates a perspective overview view of a drilled bracket-flashing assembly **600b**.

FIG. 8C illustrates a perspective overview view of a drilled bracket-flashing assembly **600b**.

FIG. 9A illustrates an elevated front side view of a drilled bracket-flashing assembly **600b**.

FIG. 9B illustrates an elevated front side view of a drilled bracket-flashing assembly **600b** in cross-section.

FIG. 10A illustrates an elevated back side view of a first configuration **1002a**.

FIG. 10B illustrates a perspective back side view of a first configuration **1002a**.

FIG. 10C illustrates an elevated back side view of a second configuration **1002b**.

FIG. 10D illustrates a perspective back side view of a second configuration **1002b**.

In one embodiment, said one or more configurations **1002** can comprise said first configuration **1002a** and said second configuration **1002b**.

In one embodiment, said bracket **106** can comprise said bend angle **1000** and said one or more configurations **1002**.

In one embodiment, said bracket **106** can be modified by end users to match an installation objective, such as the pitch of a roof, as is known in the art.

FIG. 11 illustrates a perspective overview view of an installation diagram **1100**.

In one embodiment, said plurality of fasteners **610** can comprise said installation diagram **1100**.

In one embodiment, said plurality of shingles **108** can comprise said upper portion **1104**, said lower portion **1106** and said middle portion **1108**.

In one embodiment, said bracket cover **300** can be "roofed in", as is known in the art, so as to be stacked between a portion of said plurality of shingles **108**. For example, in one embodiment, said plurality of shingles **108** can comprise said upper portion **1104**, said lower portion **1106** and said middle portion **1108** (illustrated below). A portion of said bracket-flashing assembly **600** can sit on top of said lower portion **1106**, and below a portion of said upper portion **1104** and said middle portion **1108**.

FIG. 12 illustrates a perspective overview view of an installation diagram 1100.

In one embodiment, said installation diagram 1100 can be installed by next installing a portion of said plurality of shingles 108 on said structure 1102.

In one embodiment, a portion of said body 302 can be screwed down. In one embodiment, said body 302 can also be referred to as a flashing.

In one embodiment, said bracket-flashing assembly 600 can be installed in a manner similar to vent fans, as is known in the art. This is the process called “roofed in”. Pulling up a portion of said plurality of shingles 108, installing said bracket cover 300, cutting away a portion of said plurality of shingles 108 and bolting everything down.

In one embodiment, a water channel can form along said raised portion 304 allowing water to drain along said bracket 106 instead of seeping into a structure.

FIG. 13 illustrates a perspective overview view of a plurality of improved bracket flashing systems 1300.

FIG. 14 illustrates a perspective overview view of a plurality of improved bracket flashing systems 1300.

In one embodiment, said installation diagram 1100 can be installed by next installing a portion of said inserting

FIG. 15 illustrates a perspective overview view of a prior art repair configuration 1500.

In one embodiment, said bracket cover 300 can be used to correct said prior art shade installation 100, by attaching said undrilled bracket cover 300b into said plurality of shingles 108 above said bracket 106. This can comprise a minimum effort to correcting the failures of said sealer 200.

FIG. 16 illustrates a flow chart.

FIG. 17 illustrates an elevated side view in section cut of drilled bracket-flashing assembly 600b.

The following sentences are included for completeness of this disclosure with reference to the claims.

A bracket-flashing assembly 600 for roofing in a bracket 106. Said bracket-flashing assembly 600 comprise said bracket 106, a bracket cover 300 and a plurality of fasteners 610. Said bracket 106 comprise a plurality of fastener apertures 608 configured to receive a portion of said plurality of fasteners 610 to selectively attach said bracket-flashing assembly 600 to a fixed structure 110 and an added fixture 112. Said bracket 106 comprise a first portion 602 and a second portion 604. Said first portion 602 is attached to said second portion 604 at an elbow 606. Said bracket cover 300 comprises a raised portion 304 and a body 302. Said raised portion 304 comprises a stamped portion of said raised portion 304 being shaped to selectively encase a portion of said second portion 604. Said bracket cover 300 is configured to seal a portion of said bracket 106 by securing said second portion 604 of said bracket 106 to said fixed structure 110 with a portion of said plurality of fasteners 610, and encasing a portion of said second portion 604 of said bracket 106 between said fixed structure 110 and said bracket cover 300. Said raised portion 304 comprises a depth 406 and a width 408. Said second portion 604 comprises a length 616, a width 614 and a height 702. Said depth 406 of said raised portion 304 and said width 408 of said raised portion 304 are larger than said width 614 and said length 616 of said second portion 604. Said raised portion 304 of said bracket cover 300 comprise said height 702 being larger than a thickness 704 of said bracket 106. Said body 302 of said bracket cover 300 comprises a depth 402 and a width 404. Said first portion 602 and said second portion 604 are adjustably attached to one another at said elbow 606. Said bracket 106 comprises a pliable metal material. Said elbow 606 comprises a bend angle 1000. Said

bend angle 1000 initially comprises a right angle but can be selectively altered to accommodate different configurations of said fixed structure 110 and said added fixture 112. Said bracket cover 300 comprises a gap 700 below said raised portion 304. Said raised portion 304 comprises said height 702. Said height 702 comprise said thickness 704 of said bracket 106 with additional space to accommodate a head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 comprise said head 706 and a shaft 708. A portion of said plurality of fasteners 610 are configured to slide through a portion of said second portion 604 and into said fixed structure 110. Said raised portion 304 covers a portion of said second portion 604 and said head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 press said bracket 106 into a portion of said fixed structure 110. Said fixed structure 110 comprises a plurality of shingles 108. Said bracket cover 300 comprises aluminum in order to maintain the shape of said body 302 and said raised portion 304 and to maintain rust-free operation of said bracket cover 300 in wet and dry weather conditions. Said added fixture 112 comprise an awning 104. A bracket-flashing assembly 600 for roofing in a bracket 106.

Said bracket-flashing assembly 600 comprise said bracket 106, a bracket cover 300 and a plurality of fasteners 610. Said bracket 106 comprise a plurality of fastener apertures 608 configured to receive a portion of said plurality of fasteners 610 to selectively attach said bracket-flashing assembly 600 to a fixed structure 110 and an added fixture 112. Said bracket 106 comprise a first portion 602 and a second portion 604. Said first portion 602 is attached to said second portion 604 at an elbow 606. Said bracket cover 300 comprises a raised portion 304 and a body 302. Said raised portion 304 comprises a stamped portion of said raised portion 304 being shaped to selectively encase a portion of said second portion 604. Said bracket cover 300 is configured to seal a portion of said bracket 106 by securing said second portion 604 of said bracket 106 to said fixed structure 110 with a portion of said plurality of fasteners 610, and encasing a portion of said second portion 604 of said bracket 106 between said fixed structure 110 and said bracket cover 300. Said raised portion 304 comprises a depth 406 and a width 408. Said second portion 604 comprises a length 616, a width 614 and a height 702. Said depth 406 of said raised portion 304 and said width 408 of said raised portion 304 are larger than said width 614 and said length 616 of said second portion 604. Said raised portion 304 of said bracket cover 300 comprise said height 702 being larger than a thickness 704 of said bracket 106. Said body 302 of said bracket cover 300 comprises a depth 402 and a width 404.

Said bracket cover 300 comprises aluminum in order to maintain the shape of said body 302 and said raised portion 304 and to maintain rust-free operation of said bracket cover 300 in wet and dry weather conditions.

Said fixed structure 110 comprises a roof 102 with a plurality of shingles 108. Said added fixture 112 comprise an awning 104.

Said first portion 602 and said second portion 604 are adjustably attached to one another at said elbow 606. Said bracket 106 comprises a pliable metal material. Said elbow 606 comprises a bend angle 1000. Said bend angle 1000 initially comprises a right angle but can be selectively altered to accommodate different configurations of said fixed structure 110 and said added fixture 112.

Said bracket cover 300 comprises stainless steel.

Said bracket cover 300 comprises aluminum in order to maintain the shape of said body 302 and said raised portion

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304 and to maintain rust-free operation of said bracket cover 300 in wet and dry weather conditions.

Said bracket cover 300 comprises a gap 700 below said raised portion 304. Said raised portion 304 comprises said height 702. Said height 702 comprise said thickness 704 of said bracket 106 with additional space to accommodate a head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 comprise said head 706 and a shaft 708. A portion of said plurality of fasteners 610 are configured to slide through a portion of said second portion 604 and into said fixed structure 110. Said raised portion 304 covers a portion of said second portion 604 and said head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 press said bracket 106 into a portion of said fixed structure 110.

Said bracket cover 300 comprises a gap 700 below said raised portion 304. Said raised portion 304 comprises said height 702. Said height 702 comprise said thickness 704 of said bracket 106 with additional space to accommodate a head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 comprise said head 706 and a shaft 708. A portion of said plurality of fasteners 610 are configured to slide through a portion of said second portion 604 and into said fixed structure 110. Said raised portion 304 covers a portion of said second portion 604 and said head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 press said bracket 106 into a portion of said fixed structure 110.

Said bracket cover 300 comprises a plurality of fastener apertures 306. Said plurality of fastener apertures 306 are configured to align with a portion of said plurality of fastener apertures 608 in said second portion 604 of said bracket 106. A portion of said plurality of fasteners 610 are configured to slide through a portion of said bracket cover 300, said second portion 604 and into said fixed structure 110. Said plurality of fasteners 610 comprise a head 706 and a shaft 708. Said head 706 of said plurality of fasteners 610 fit above said raised portion 304 and press said bracket cover 300 and said bracket 106 into a portion of said fixed structure 110.

Said bracket-flashing assembly 600 further comprises a plurality of washers 1702. Said plurality of fasteners 610 attach said bracket-flashing assembly 600 to said fixed structure 110 and/or said added fixture 112 by first passing through said plurality of washers 1702 prior to parts of said bracket cover 300 and/or said bracket 106. Said head 706 press a portion of said plurality of washers 1702 into said bracket-flashing assembly 600 and maintain a seal between said plurality of washers 1702 at said plurality of fastener apertures 306 of said bracket cover 300 and/or said plurality of fastener apertures 608 of said bracket 106.

Said fixed structure 110 comprises a plurality of shingles 108. Said added fixture 112 comprise an awning 104.

A portion of said body 302 is configured to fit under a portion of a plurality of shingles 108 of a roof 102 of said fixed structure 110.

A portion of a plurality of shingles 108 are cut away to accommodate said raised portion 304 of said bracket cover 300.

A portion of said body 302 is configured to fit under a portion of a plurality of shingles 108 of a roof 102 of said fixed structure 110. A method of installing a bracket-flashing assembly 1600. Comprising

Seal a portion of a bracket 106 with a bracket cover 300 by: securing a second portion 604 of said bracket 106 to a fixed structure 110 with a portion of a plurality of fasteners 610, and encasing a portion of said second portion 604 of

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said bracket 106 between said fixed structure 110 and 300. A bracket-flashing assembly 600 comprise said bracket 106, said bracket cover 300 and said plurality of fasteners 610. Said bracket 106 comprise a plurality of fastener apertures 608 configured to receive a portion of said plurality of fasteners 610 to selectively attach said bracket-flashing assembly 600 to said fixed structure 110 and an added fixture 112. Said bracket 106 comprise a first portion 602 and said second portion 604. Said first portion 602 is attached to said second portion 604 at an elbow 606. Said bracket cover 300 comprises a raised portion 304 and a body 302. Said raised portion 304 comprises a stamped portion of said raised portion 304 being shaped to selectively encase a portion of said second portion 604. Said raised portion 304 comprises a depth 406 and a width 408. Said second portion 604 comprises a length 616, a width 614 and a height 702. Said depth 406 of said raised portion 304 and said width 408 of said raised portion 304 are larger than said width 614 and said length 616 of said second portion 604. Said raised portion 304 of said bracket cover 300 comprise said height 702 being larger than a thickness 704 of said bracket 106. Said body 302 of said bracket 106 comprises a depth 402 and a width 404. Said first portion 602 and said second portion 604 are adjustably attached to one another at said elbow 606. Said bracket 106 comprises a pliable metal material. Said elbow 606 comprises a bend angle 1000. Said bend angle 1000 initially comprises a right angle but can be selectively altered to accommodate different configurations of said fixed structure 110 and said added fixture 112. Said bracket cover 300 comprises a gap 700 below said raised portion 304. Said raised portion 304 comprises said height 702. Said height 702 comprise said thickness 704 of said bracket 106 with additional space to accommodate a head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 comprise said head 706 and a shaft 708. A portion of said plurality of fasteners 610 are configured to slide through a portion of said second portion 604 and into said fixed structure 110. Said raised portion 304 covers a portion of said second portion 604 and said head 706 of said plurality of fasteners 610. Said plurality of fasteners 610 press said bracket 106 into a portion of said fixed structure 110. Said fixed structure 110 comprises a plurality of shingles 108. Said added fixture 112 comprise an awning 104.

Various changes in the details of the illustrated operational methods are possible without departing from the scope of the following claims. Some embodiments may combine the activities described herein as being separate steps. Similarly, one or more of the described steps may be omitted, depending upon the specific operational environment the method is being implemented in. It is to be understood that the above description is intended to be illustrative, and not restrictive. For example, the above-described embodiments may be used in combination with each other. Many other embodiments will be apparent to those of skill in the art upon reviewing the above description. The scope of the invention should, therefore, be determined with reference to the appended claims, along with the full scope of equivalents to which such claims are entitled. In the appended claims, the terms “including” and “in which” are used as the plain-English equivalents of the respective terms “comprising” and “wherein.”

The invention claimed is:

1. A bracket-flashing assembly for roofing in a bracket, wherein:
said bracket-flashing assembly comprises said bracket, a bracket cover and a plurality of fasteners;

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said bracket comprises a plurality of fastener apertures configured to receive a portion of said plurality of fasteners to selectively attach said bracket-flashing assembly to a fixed structure;

said bracket comprises an L-bracket comprising a first portion for attaching to an added fixture and a second portion for attaching to said fixed structure;

said first portion is attached to said second portion at an elbow;

said elbow comprises a bend angle between said first portion and said second portion;

said bracket cover comprises a raised portion and a body;

said raised portion in said bracket cover is shaped to encase a portion of said second portion of said bracket;

said body comprises a rectangular sheet of metal;

said raised portion beginning at one edge of said body and extending toward an opposite edge of said body;

said raised portion is surrounded by a planar flat portion on three sides, and a raised open end to receive a portion said second portion of said L-bracket;

said planar flat portion of said body said is configured to fit under a portion of a plurality of shingles of a roof of said fixed structure due to its planar shape;

said bracket cover seals a portion of said bracket by encasing a portion of said second portion of said bracket between said fixed structure and said bracket cover;

said raised portion comprises a depth and a width;

said second portion of said bracket comprises a length, a width and a height;

said depth and said width of said raised portion are larger than said width and said length of said second portion of said bracket;

said raised portion of said bracket cover comprises said height being larger than a thickness of said second portion of said bracket;

said body of said bracket cover comprises a depth and a width;

said bracket cover is configured to seal a portion of said bracket by encasing a portion of said second portion of said bracket in said raised portion between said fixed structure and said bracket cover; and

said bracket consists of a pliable metal material selected among aluminum, stainless steel, and galvanized billet; and wherein said second portion of said bracket is installed on a surface of a roof and said bracket cover is installed over said second portion such that a plurality of shingles cover said planar flat portion of said bracket cover on said three sides.

2. The bracket-flashing assembly from claim 1, wherein: said fixed structure comprises a roof with a plurality of shingles; and said added fixture comprises an awning.

3. The bracket-flashing assembly from claim 1, wherein: said bracket consists of a 26 gage metal.

4. The bracket-flashing assembly from claim 3, wherein: said bracket cover comprises a gap below said raised portion;

said height of said raised portion is large enough to accommodate said thickness of said bracket with additional space to accommodate a head of said plurality of fasteners;

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said plurality of fasteners comprise said head and a shaft; a portion of said plurality of fasteners are configured to slide through a portion of said second portion of said bracket and into said fixed structure;

said raised portion covers a portion of said second portion of said bracket and said head of said plurality of fasteners; and

said plurality of fasteners press said bracket into a portion of said fixed structure.

5. The bracket-flashing assembly from claim 1, wherein: said bracket cover comprises a gap below said raised portion;

said height of said raised portion is large enough to accommodate said thickness of said bracket with additional space to accommodate a head of said plurality of fasteners;

said plurality of fasteners each comprise said head and a shaft;

a portion of said plurality of fasteners are configured to slide through a portion of said second portion of said bracket and into said fixed structure;

said raised portion covers a portion of said second portion of said bracket and said head of said plurality of fasteners; and

said plurality of fasteners press said bracket into a portion of said fixed structure.

6. The bracket-flashing assembly from claim 1, wherein: said bracket cover comprises a plurality of fastener apertures;

said plurality of fastener apertures are configured to align with a portion of said plurality of fastener apertures in said second portion of said bracket;

a portion of said plurality of fasteners are configured to slide through a portion of said bracket cover, said second portion of said bracket and into said fixed structure;

said plurality of fasteners each comprise a head and a shaft; and

said head of said plurality of fasteners fit above said raised portion and press said bracket cover and said bracket into a portion of said fixed structure.

7. The bracket-flashing assembly from claim 6, wherein: said bracket-flashing assembly further comprises a plurality of washers;

said plurality of fasteners attach said bracket-flashing assembly to said fixed structure by first passing through said plurality of washers prior to parts of said bracket cover and said bracket; and

said head is configured to press a portion of said plurality of washers into said bracket-flashing assembly and maintain a seal between said plurality of washers at said plurality of fastener apertures of said bracket cover.

8. The bracket-flashing assembly from claim 6, wherein: said fixed structure comprises a plurality of shingles; and said added fixture comprises an awning.

9. The bracket-flashing assembly from claim 6, wherein: a portion of a plurality of shingles are cut away to accommodate said raised portion of said bracket cover.

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