

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF KENTUCKY
CENTRAL DIVISION AT LEXINGTON**

FEIT ELECTRIC COMPANY, INC.,

Plaintiff,

v.

LEDVANCE, LLC,

Defendant.

Civil Action No. 5:24-CV-00031-DCR

**PLAINTIFF FEIT ELECTRIC COMPANY, INC.’S
DISCLOSURE OF INITIAL INFRINGEMENT CONTENTIONS**

Pursuant to the Court’s Scheduling Order (Dkt. 33), Plaintiff Feit Electric Co., Inc. (“Plaintiff” or “Feit Electric”) hereby discloses its Initial Infringement Contentions against Defendant Ledvance, LLC (“Defendant” or “Ledvance”). Feit Electric’s disclosures are based on publicly available and/or publicly discernable materials regarding the Accused Instrumentalities. To date, Feit Electric has not had the benefit of any discovery from Defendant, and certain information is not yet available to Feit Electric that may be specifically relevant to its infringement claims. Thus, Feit Electric reserves the right to supplement or alter its disclosures herein based on additional information obtained through further investigation, discovery, claim construction, expert analysis, or any position taken by Defendant.

I. Dkt. 33 (2)(a): Each claim of each patent in suit that is allegedly infringed by each opposing party.

Feit Electric currently asserts that Defendant infringes at least claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678 (“the ’678 Patent”) under 35 U.S.C. § 271(a) by making, using, offering for sale, selling and/or importing the Accused Instrumentalities. Feit

Electric reserves all rights to amend, supplement, and modify its list of asserted claims as it obtains additional information over the course of discovery.

II. Dkt. 33 (2)(b): Separately for each asserted claim, each accused apparatus, product, device, process, method, act, or other instrumentality of each opposing party of which the party is aware. This identification shall be as specific as possible. Each product, device, and apparatus must be identified by name or model number, if known. Each method or process must be identified by name, if known, or by any product, device, or apparatus which, when used, allegedly results in the practice of the claimed method or process.

Feit Electric contends that Defendant infringes claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of the '678 Patent by making, using, offering for sale, selling and/or importing at least the following Accused Instrumentalities:

#	Brand	Model No.	Description
1	Sylvania	LED3.5B10CDIM827FILWHRP40184	40W Candelabra 2700K
2	Sylvania	LED3.5B10CDIM850FILWHRP40184	40W Candelabra 5000K
3	Sylvania	LED6B10CDIM850FILWHRP40184	60W Candelabra 5000K
4	Sylvania	LED6.5A19DIM827FILWHRP20184	60W A19 2700K
5	Sylvania	LED6.5A19DIM850FILWHRP20184	60W A19 5000K
6	Sylvania	LED11.5A19DIM827FILWHRP20184	100W A19 2700K
7	Sylvania	LED11.5A19DIM850FILWHRP20184	100W A19 5000K
8	Sylvania	LED5ST19DIM827FILWHRP20184	60W ST19 2700K
9	Sylvania	LED5ST19DIM850FILWHRP20184	60W ST19 5000K
10	Sylvania	LED5G25DIM827FILWHRP20184	60W G25 2700K
11	Sylvania	LED5G25DIM850FILWHRP20184	60W G25 5000K
12	Sylvania	LD610CDIM827FILWHRP40184	60W Candelabra 2700K

In addition to the specified model numbers, the Accused Instrumentalities include any products made, used, offered for sale, sold and/or imported by Defendant that include a LED filament that contains a top layer composed of white light scattering material. Feit Electric reserves all rights to amend, supplement, and modify its list of Accused Instrumentalities as it obtains additional information over the course of discovery.

III. Dkt. 33 (2)(c): A chart identifying specifically where each element of each asserted claim is found within each accused instrumentality, including for each element that such party contends is governed by 35 U.S.C. § 112, the identity of the structure(s), act(s), or material(s) in the accused instrumentality that performs the claimed function.

Feit Electric attaches Exhibits 1 through 11 and incorporates by reference these charts herein.¹ Feit Electric contends that none of the limitations of the claims asserted herein are governed by 35 U.S.C. § 112(6). Feit Electric reserves the rights to amend, supplement, and modify the attached Exhibits as it obtains additional information over the course of discovery.

IV. Dkt. 33 (2)(d): Whether each element of each asserted claim is claimed to be literally present or present under the doctrine of equivalents in the accused instrumentality.

Feit Electric asserts that Defendant literally infringes claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of the '678 Patent. This infringement analysis is necessarily preliminary, as it is provided in advance of any discovery provided by Defendant with respect to the Accused Instrumentalities and in advance of claim construction. Feit Electric reserves all rights to amend, supplement, and modify this preliminary infringement analysis to include allegations of infringement under the doctrine of equivalents.

V. Dkt. 33 (2)(e): For any patent that claims priority to an earlier application, the priority date to which each asserted claim allegedly is entitled.

The claims of the '678 patent asserted herein are entitled to a priority date of at least December 27, 2010.

VI. Dkt. 33 (2)(f): If a party claiming patent infringement wishes to preserve the right to rely, for any purpose, on the assertion that its own apparatus, product, device, process, method, act, or other instrumentality practices.

¹ Upon information and belief, Sylvania 60W Candelabra 2700K LED Model No. LD610CDIM827FILWHRP40184 has the same or similar structure and operation as the other Accused Product, and therefore, infringes at least claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of the '678 Patent. Feit Electric reserves all rights to amend, supplement, and modify its infringement contentions with respect to Sylvania 60W Candelabra 2700K LED Model No. LD610CDIM827FILWHRP40184 and similar infringing products as discovery warrants.

Feit Electric practices the claims of the '678 patent through at least its Exposed White Filament LED Light Bulb product line. Feit Electric reserves all rights to amend, supplement, and modify this preliminary infringement analysis to include additional instrumentalities that practice the claimed invention.

VII. Dkt. 33 (2)(g) Accompanying Document Production

Feit Electric is producing documents pursuant to Dkt. 33 (2)(g)(i)-(iv) that it has located through a reasonable search under separate cover. *See* FEITLED00000001 - FEITLED00002626 and BL-LED-000001 - BL-LED-000062.

Dated: August 30, 2024

Respectfully submitted,

/s/ Simeon G. Papacostas

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Attorneys for Plaintiff

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CERTIFICATE OF SERVICE

I hereby certify that, on August 30, 2024, a true and correct copy of the foregoing document was served upon all counsel of record via email.

/s/ Simeon G. Papacostas

An Attorney for Feit Electric Company, Inc.

Feit Electric's Infringement Analysis

U.S. Patent No. 8,604,678 – Ledvance Technologies LLC d/b/a GE Lighting

Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29.

Feit Electric Co., Inc. (“Feit Electric”) provides evidence of infringement of claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678 (the “’678 Patent”) by Ledvance, LLC (“Ledvance”). In support thereof, Feit Electric provides the following claim charts.

“Accused Instrumentalities” as used herein refers to Light Emitting Diodes (“LEDs”) including, but not limited to, the products listed in Section II of these Initial Infringement Contentions and any products made, used, offered for sale, sold and/or imported by Defendant that include a LED filament that contains a top layer composed of white light scattering material. These claim charts demonstrate Ledvance’s infringement by comparing each element of the asserted claims to corresponding components, aspects, and/or features of the Accused Instrumentalities. These claim charts are not intended to constitute an expert report on infringement. These claim charts include information provided by way of example, and not by way of limitation.

The analysis set forth below is based on publicly available and/or publicly discernable materials regarding the Accused Instrumentalities. An analysis of Ledvance’s (or other third parties’) technical documentation may assist in fully identifying all infringing features and functionality, as well as additional infringing claims. Accordingly, Feit Electric reserves the right to supplement this infringement analysis once such information is made available to Feit Electric. Furthermore, Feit Electric reserves the right to revise this infringement analysis, as appropriate, upon issuance of a court order construing any terms recited in the asserted claims.

Feit Electric provides this evidence of infringement and related analysis without the benefit of claim construction or expert reports or discovery. Accordingly, Feit Electric reserves the right to supplement, amend or otherwise modify this analysis and/or evidence based on any such claim construction or expert reports or discovery.

Unless otherwise noted, Feit Electric contends that Ledvance directly infringes the ’678 Patent in violation of 35 U.S.C. § 271(a) by selling, offering to sell, making, using, and/or importing the Accused Instrumentalities. Ledvance makes, uses, sells, imports, or offers for sale in the United States, or has made, used, sold, imported, or offered for sale in the past, without authority products that infringe claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of the ’678 patent, including without limitation, the Accused Instrumentalities. Feit Electric believes and contends that each element of each claim asserted herein is literally met by the Accused Instrumentalities.

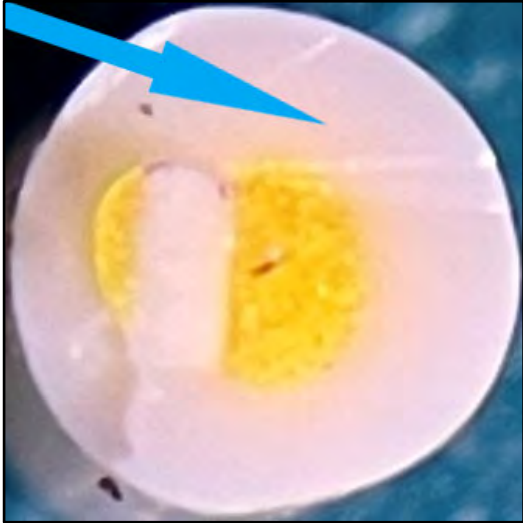
To the extent the chart of an asserted claim relies on evidence about certain specifically identified Accused Instrumentalities, Feit Electric asserts that, on information and belief, any similarly functioning instrumentalities also infringe the charted claim. Feit Electric reserves the right to amend this infringement analysis based on other products made, used, sold, imported, or offered for sale by Ledvance. Feit Electric also reserves the right to amend this infringement analysis by citing other claims of the '678 Patent, not listed in the claim chart, that are infringed by the Accused Instrumentalities. Feit Electric further reserves the right to amend this infringement analysis by adding, subtracting, or otherwise modifying content in the "Accused Instrumentalities" column of each chart.

Exhibit 1

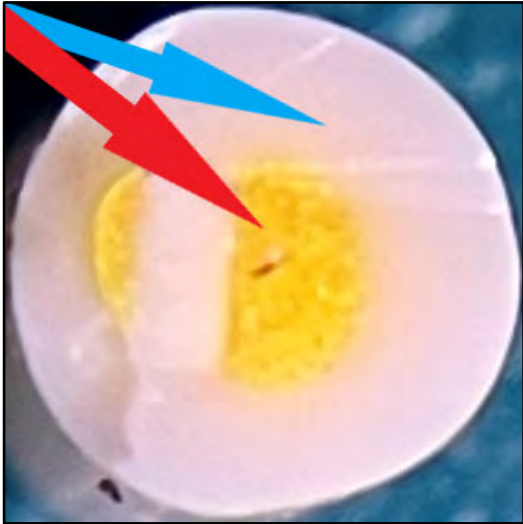
Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184

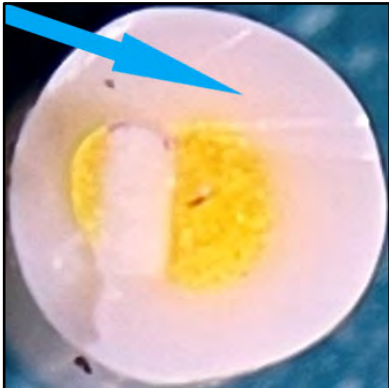
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

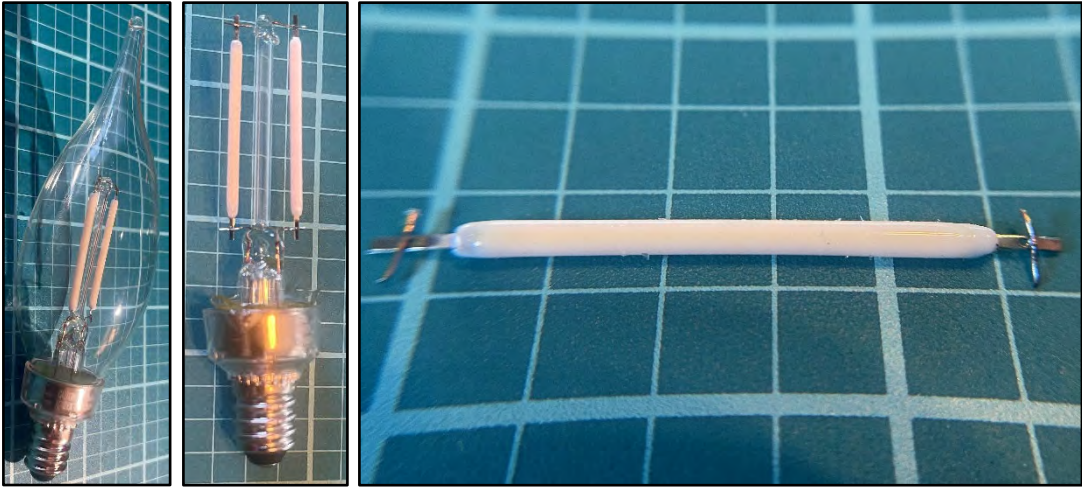
Claim 1	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments.
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

Claim 2	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

Claim 3	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scattering material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

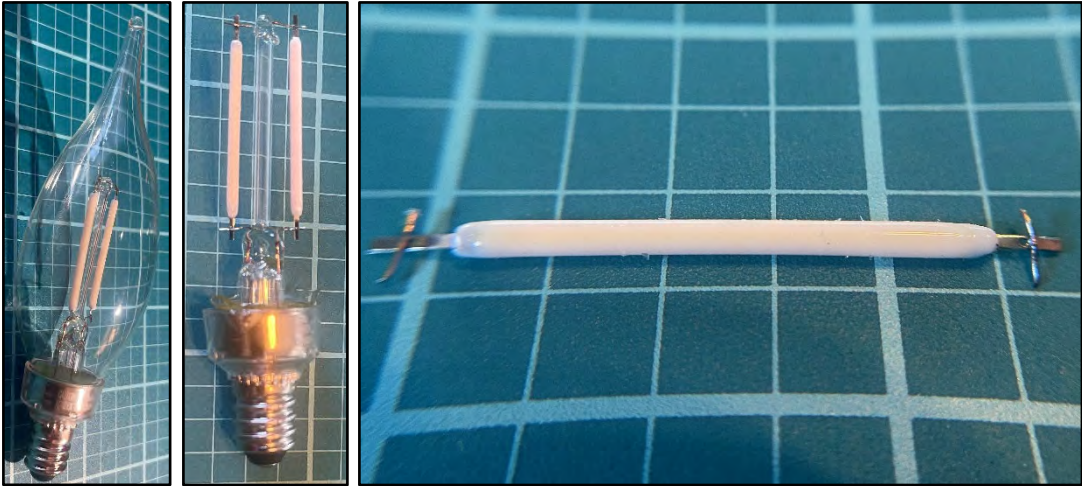
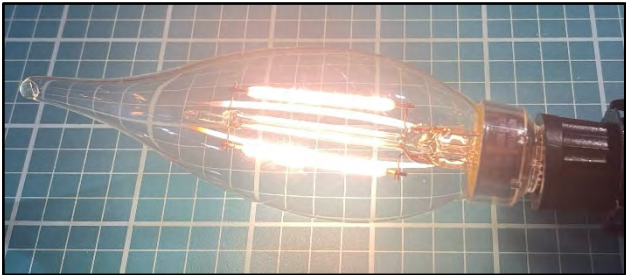
Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

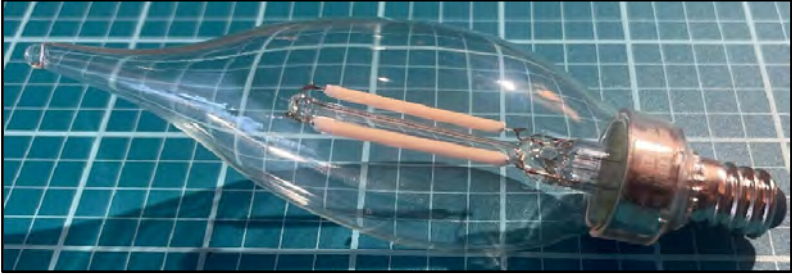
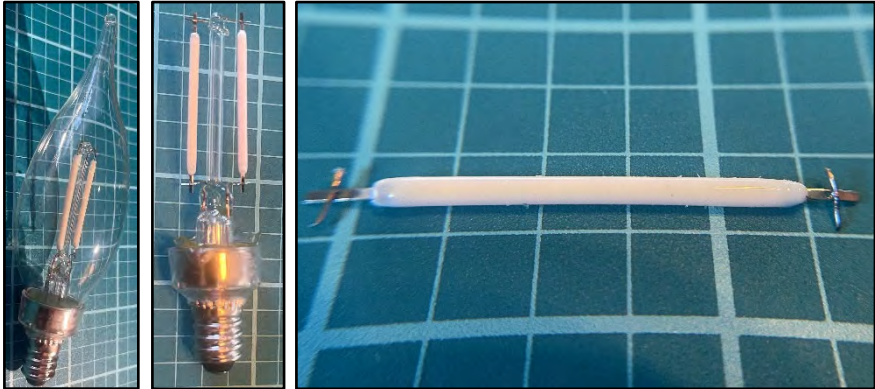
Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

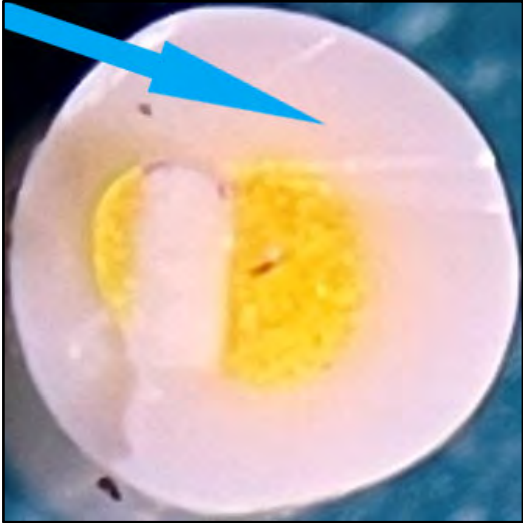
Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.

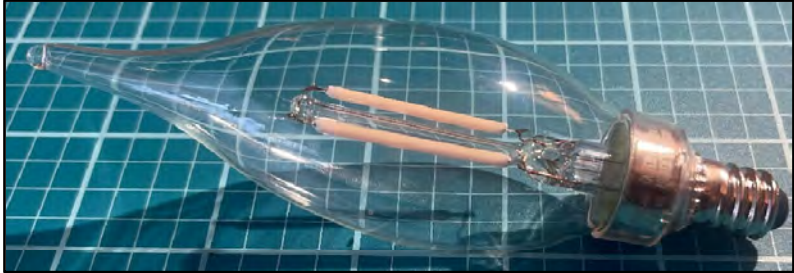
Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.

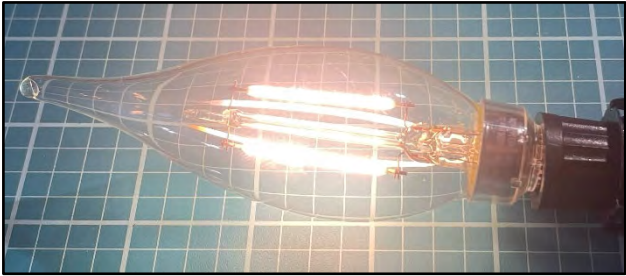
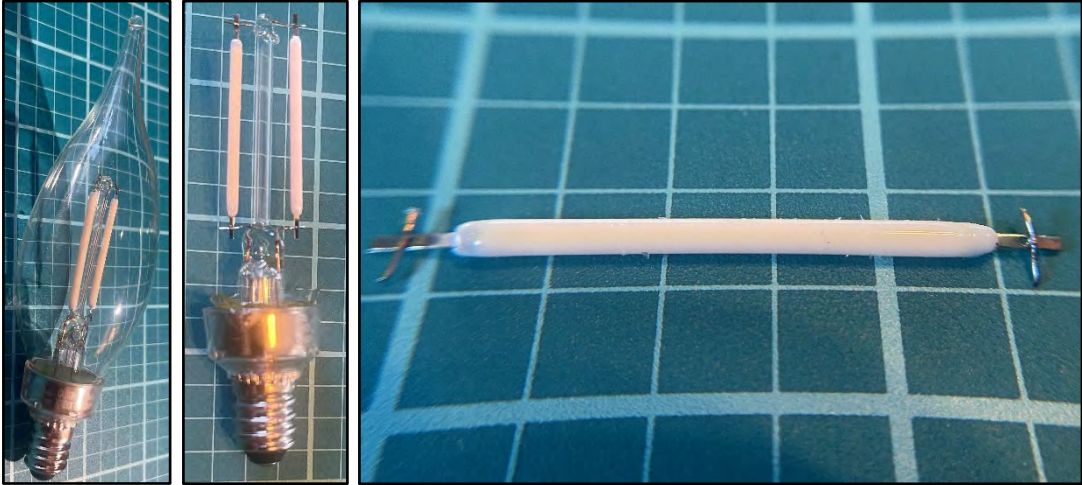
Claim 19	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184) The image below depicts a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184) The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

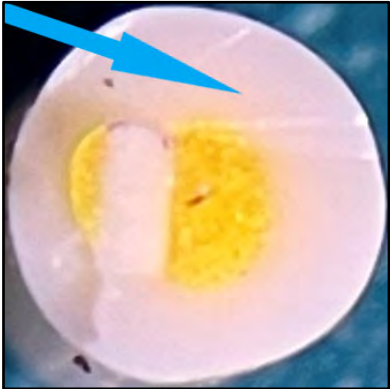
Claim 21	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
	The image below depicts a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

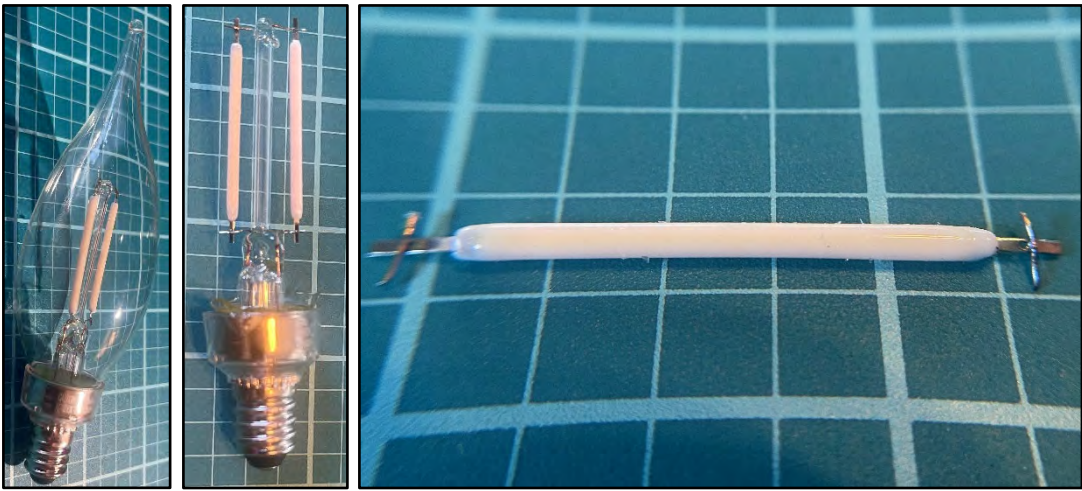
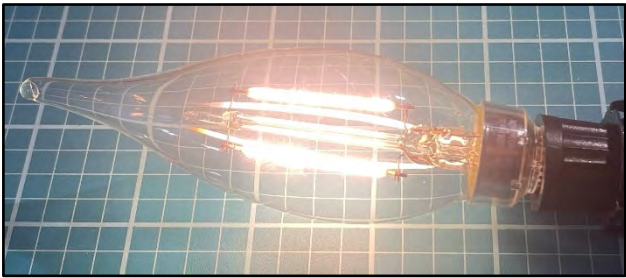
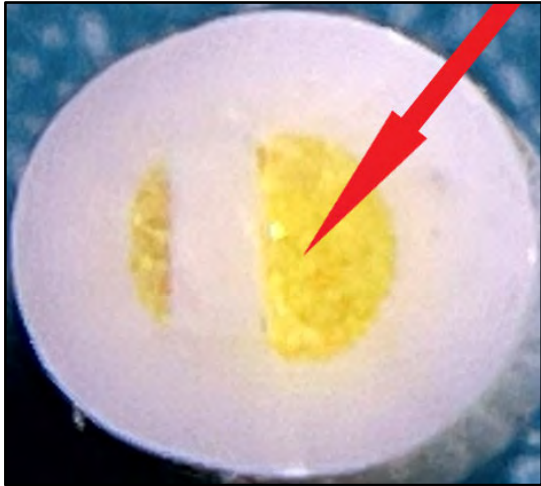
Claim 29	Infringement by Ledvance (LED3.5B10CDIM827FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 2700K LED Model No. LED3.5B10CDIM827FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

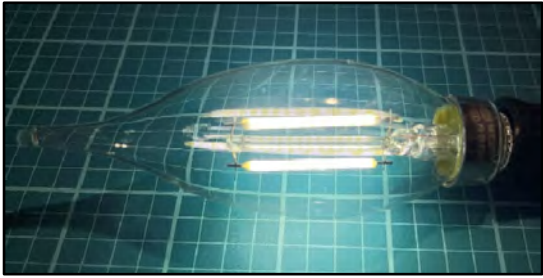
Exhibit 2

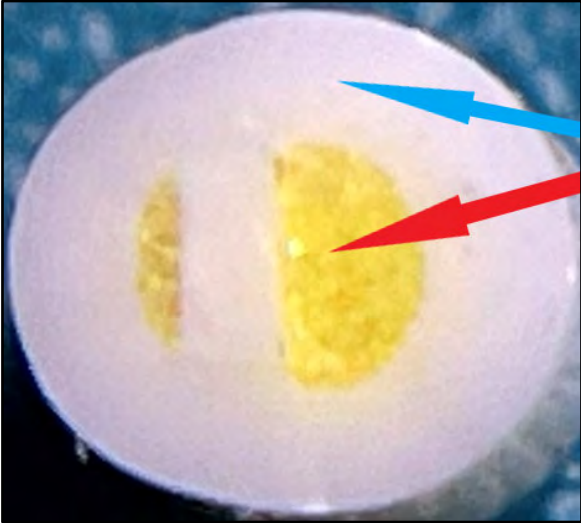
Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184

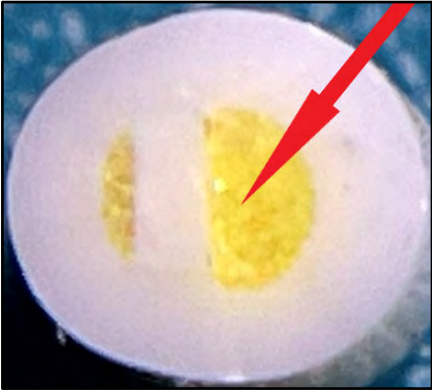
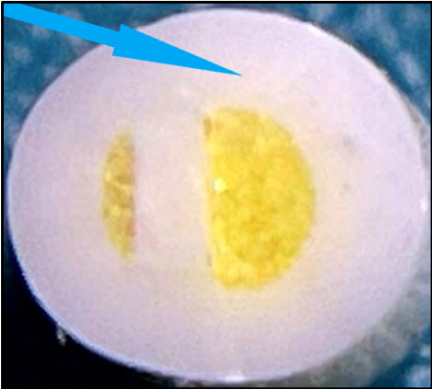
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.

Claim 1	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments.  The three images show the off-state LED filament. The first image on the left shows the entire light bulb with the filament visible through the glass. The middle image is a close-up of the filament assembly. The right image shows a single, long, white LED filament against a dark background.
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.  The image shows the light bulb in the on-state, emitting a bright white light. The bulb is shown against a dark background, and the light is visible through the glass envelope.

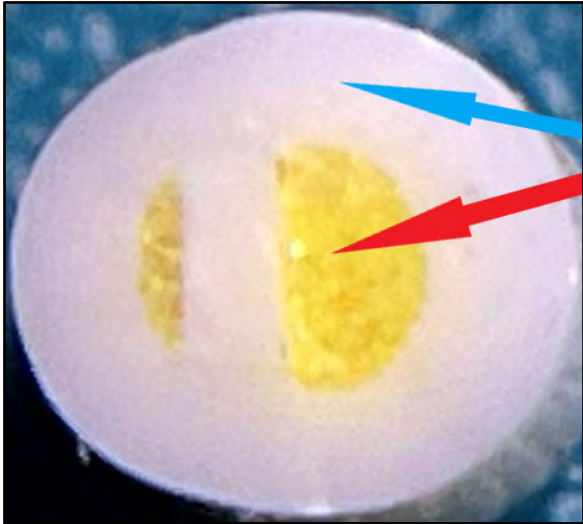
Claim 2	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

Claim 3	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scattering material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

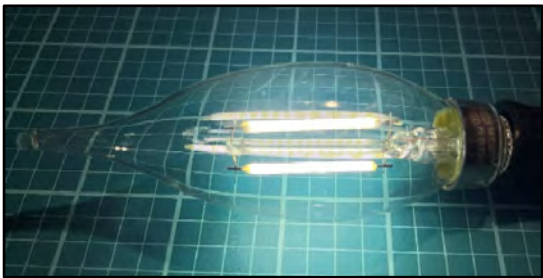
Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

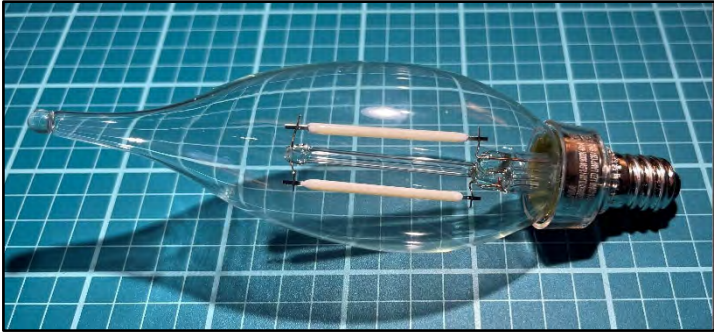
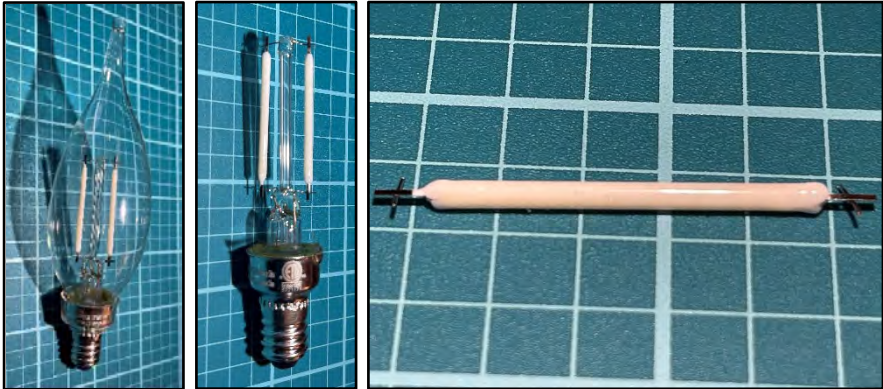
Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. The image shows a circular cross-section of an LED filament. In the center is a yellowish-white, textured core. This core is surrounded by a translucent, milky-white layer. A bright green arrow points from the right side towards the center of the core, highlighting the central portion mentioned in the text.

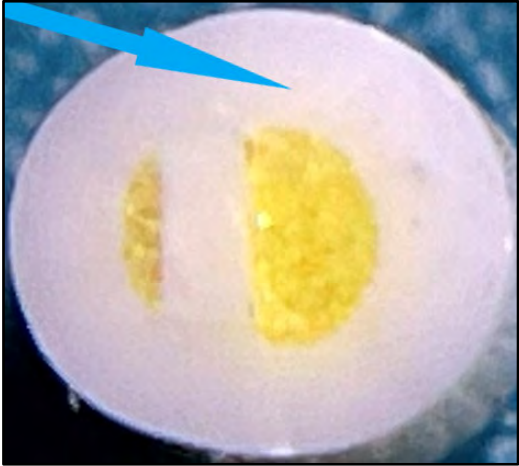
Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.

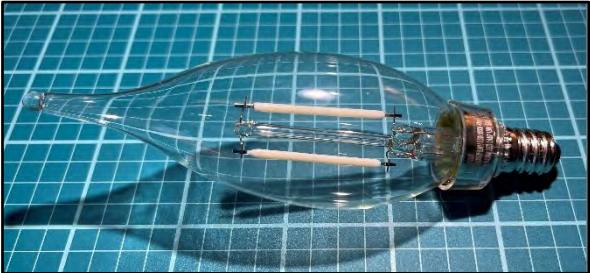
Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.

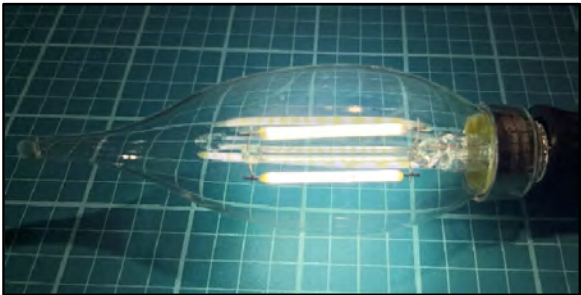
Claim 19	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184) The image below depicts a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184) The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

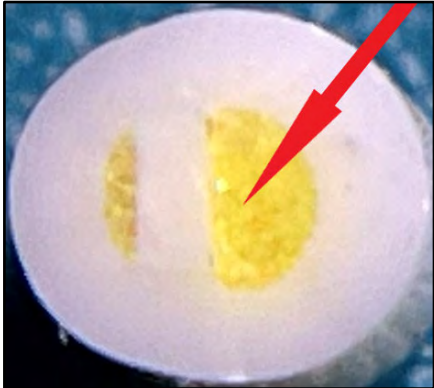
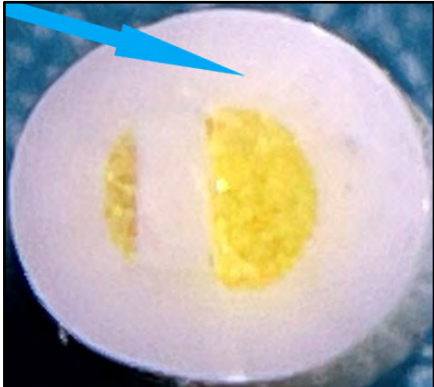
Claim 21	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
	The image below depicts a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

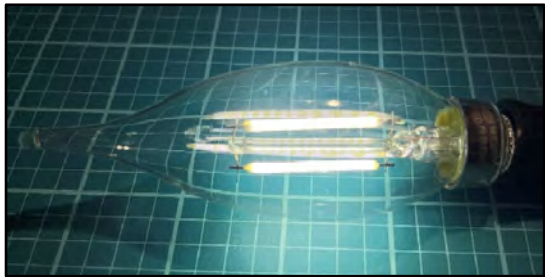
Claim 29	Infringement by Ledvance (LED3.5B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 40W Candelabra 5000K LED Model No. LED3.5B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

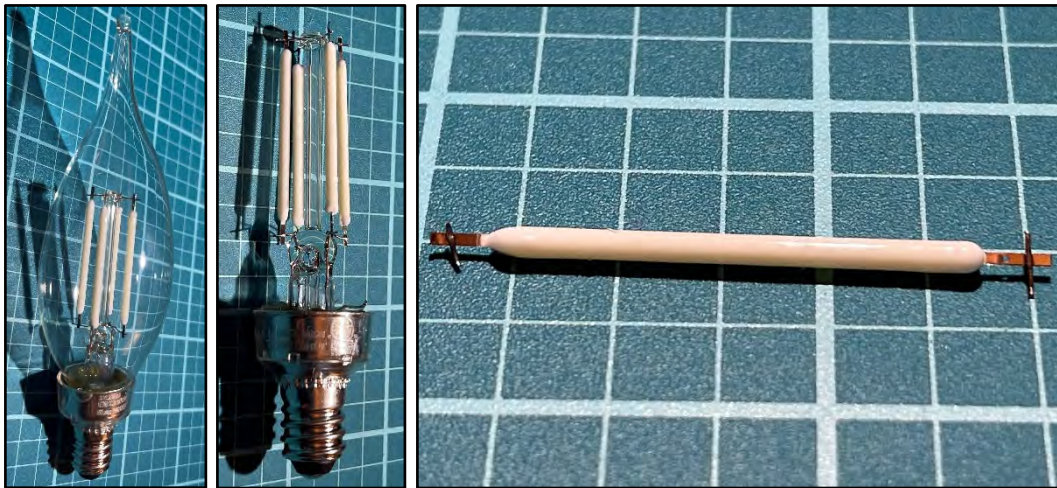
Exhibit 3

Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184

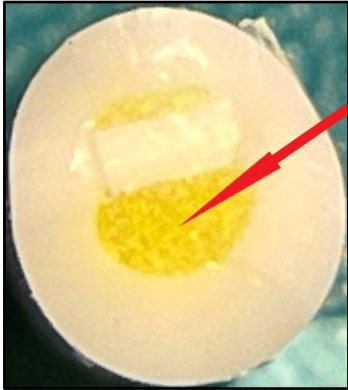
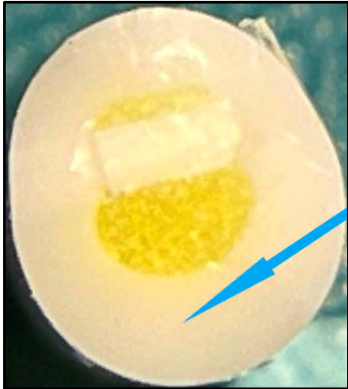
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

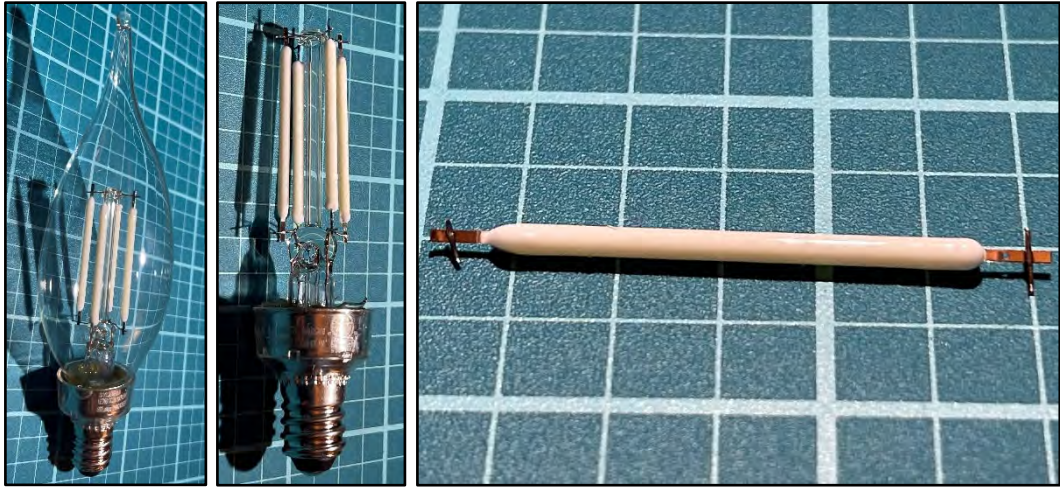
Claim 1	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.

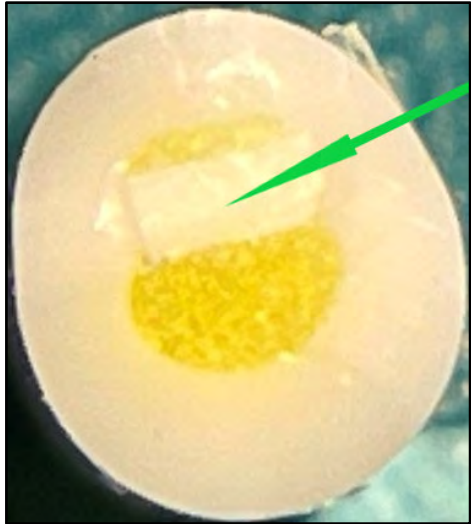
Claim 1	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

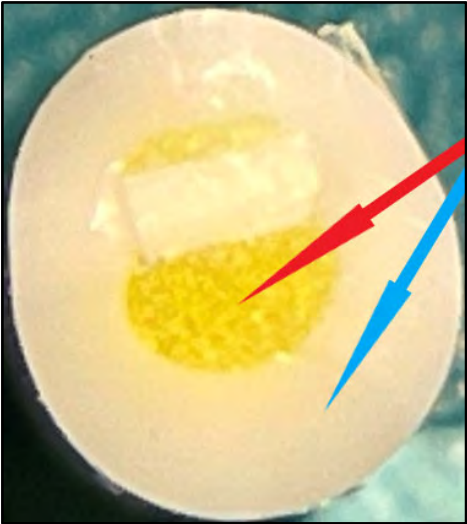
Claim 2	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other.

Claim 3	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

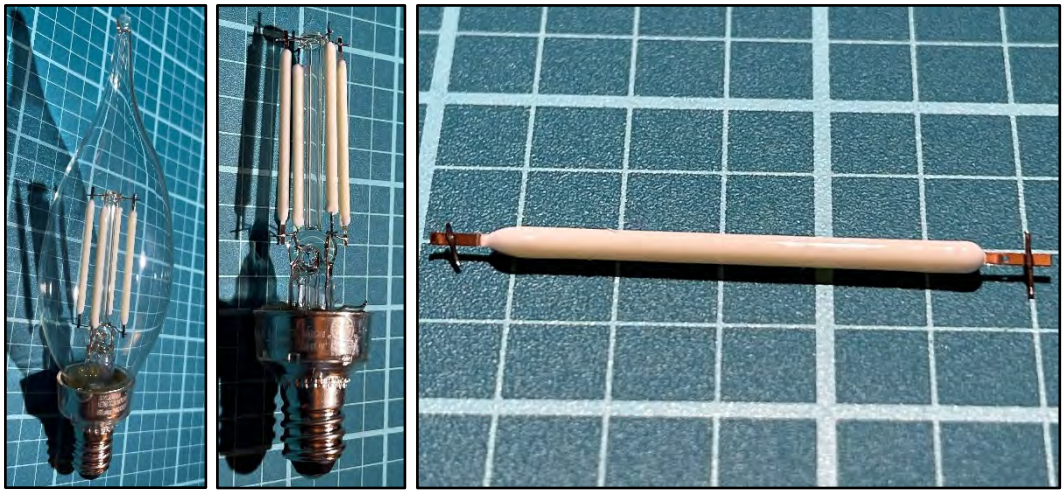
Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

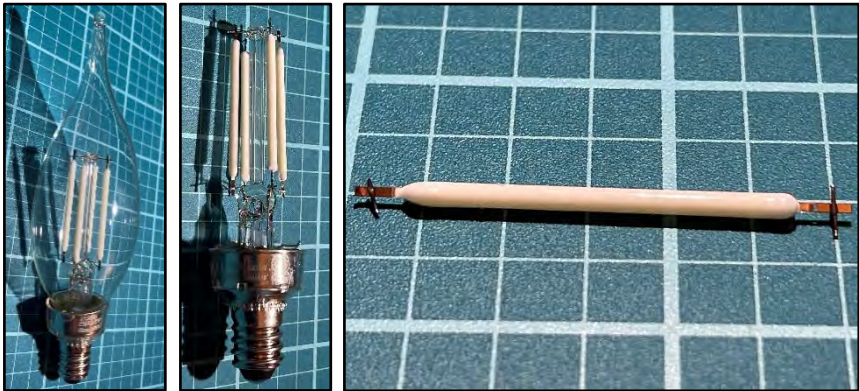
Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. The image shows a cross-section of a white, circular LED filament. In the center, there is a yellow, textured region. A red arrow points from the right side of the image towards this yellow region, identifying it as the wavelength conversion layer.

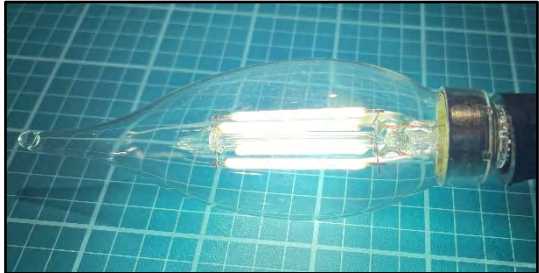
Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.

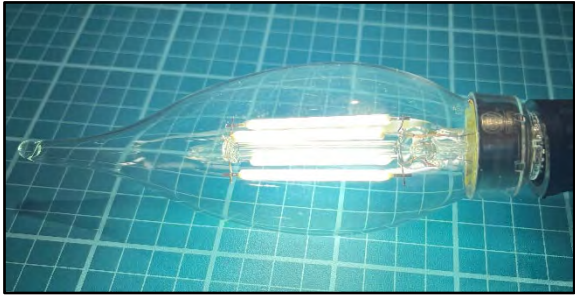
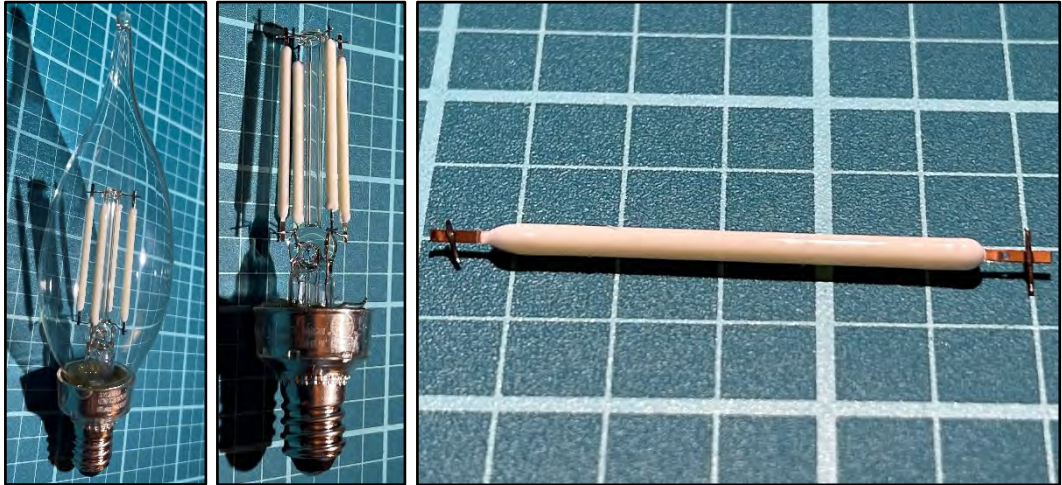
Claim 19	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184) The image below depicts a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184) The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

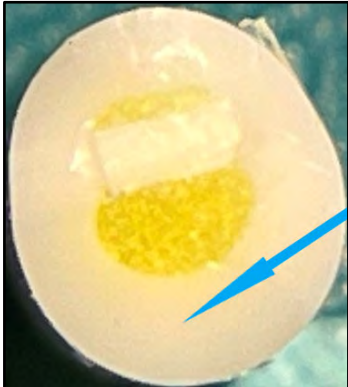
Claim 21	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
	The image below depicts a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

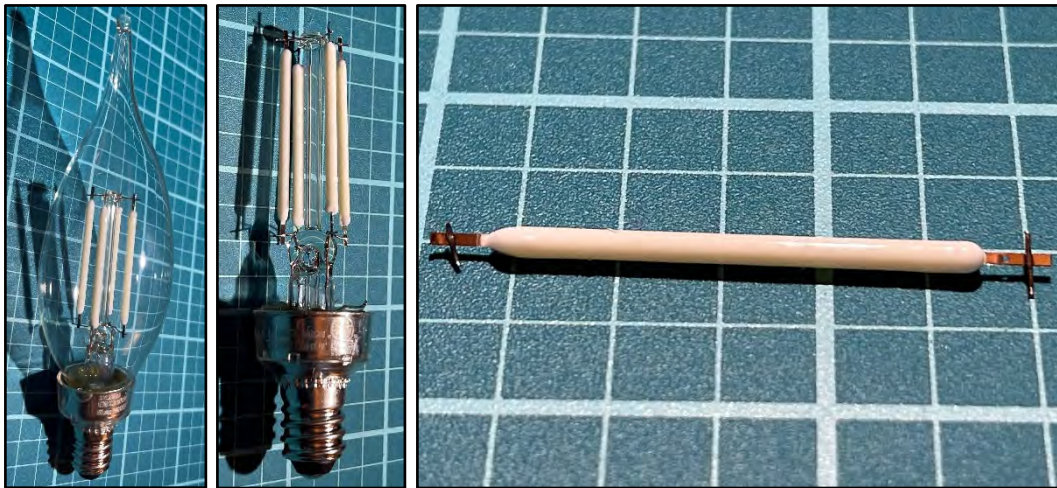
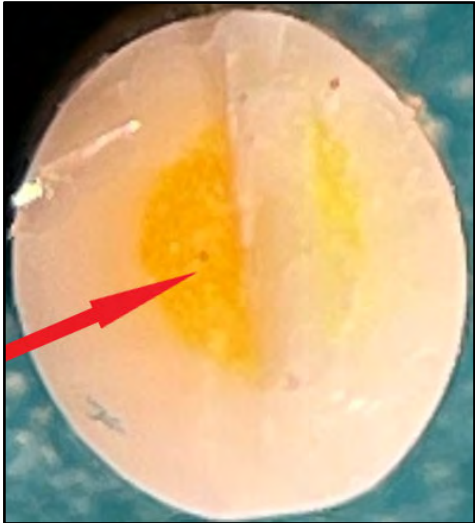
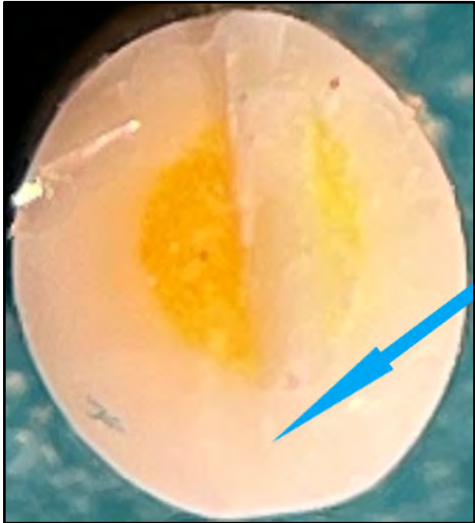
Claim 29	Infringement by Ledvance (LED6B10CDIM850FILWHRP40184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W Candelabra 5000K LED Model No. LED6B10CDIM850FILWHRP40184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Exhibit 4

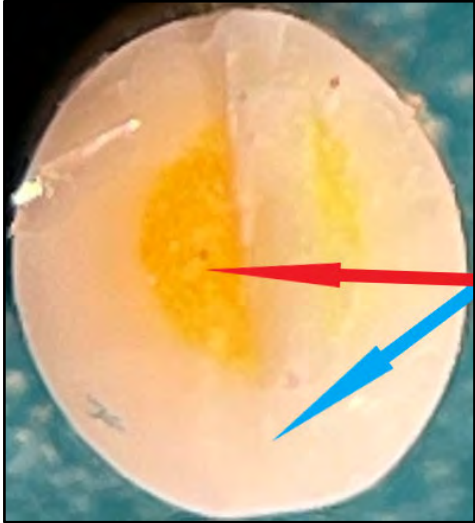
Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184

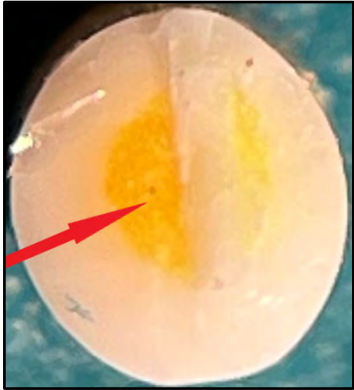
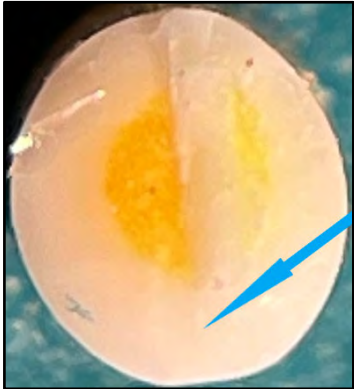
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

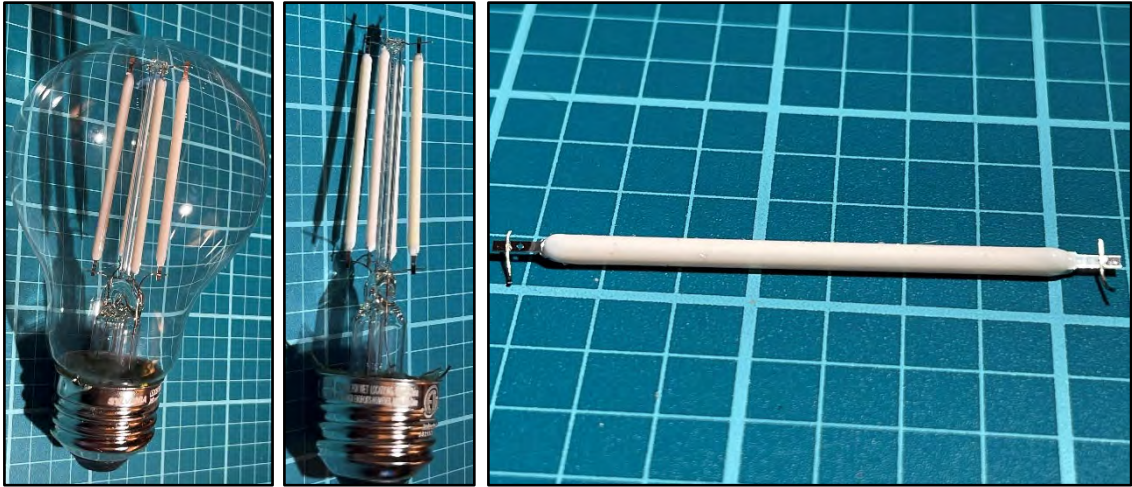
Claim 1	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

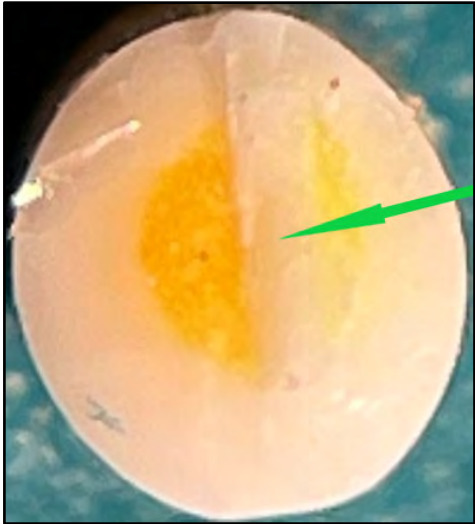
Claim 1	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments.
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

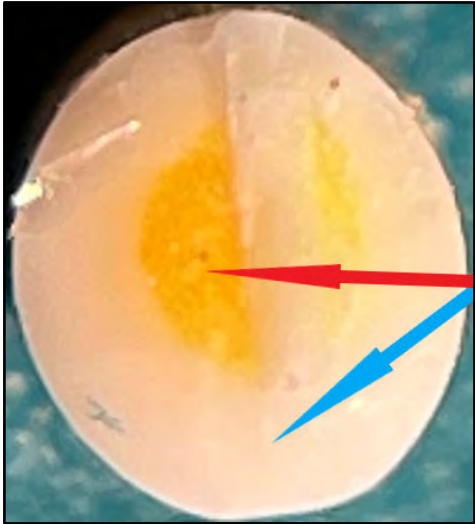
Claim 2	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other.  The image is a circular cross-section of an LED filament. It shows a central yellow region and a surrounding white region. A red arrow points to the yellow region, and a blue arrow points to the white region. The two regions are in direct contact with each other.

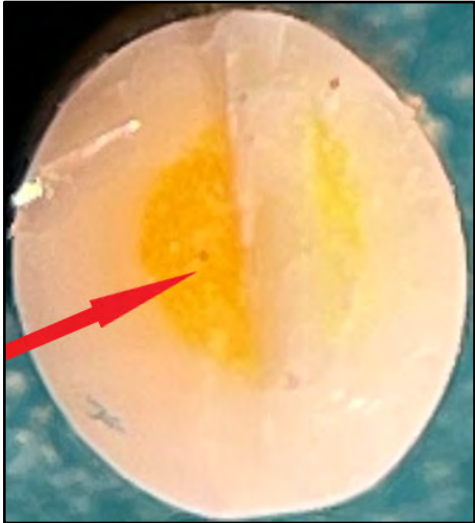
Claim 3	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scattering material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

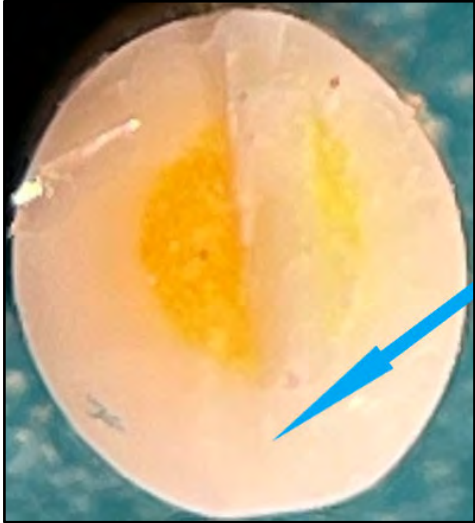
Claim 16	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

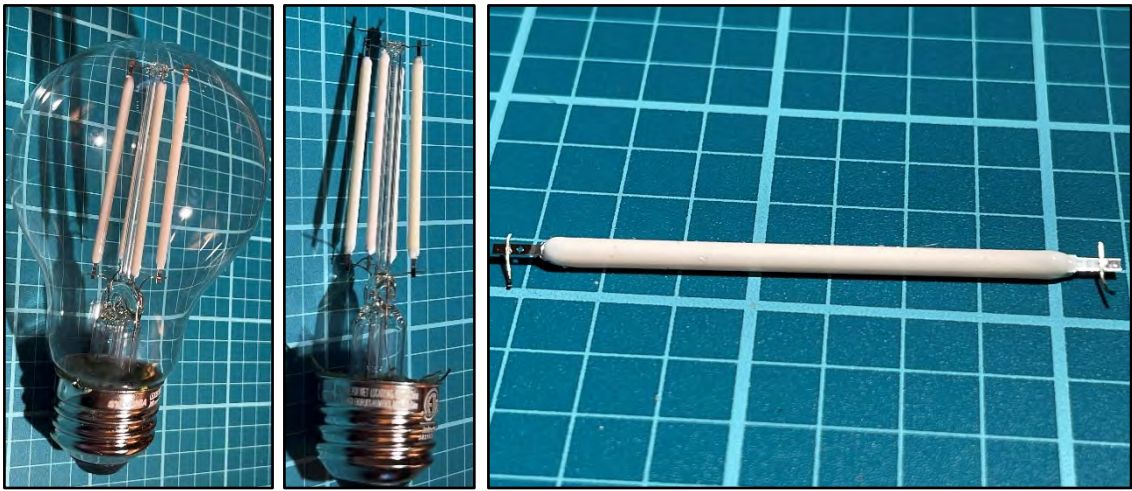
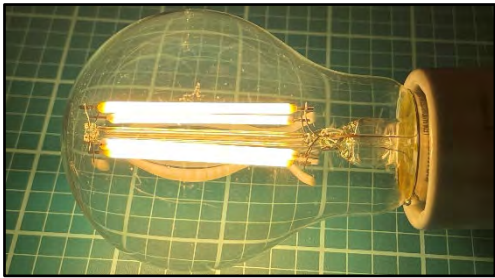
Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

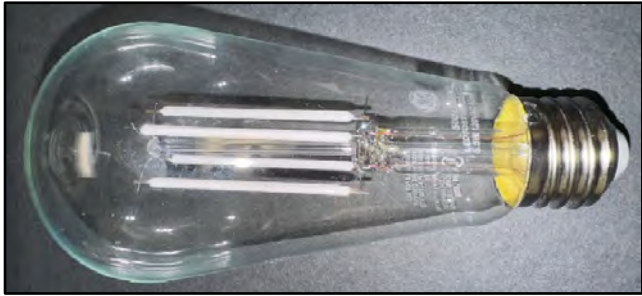
Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

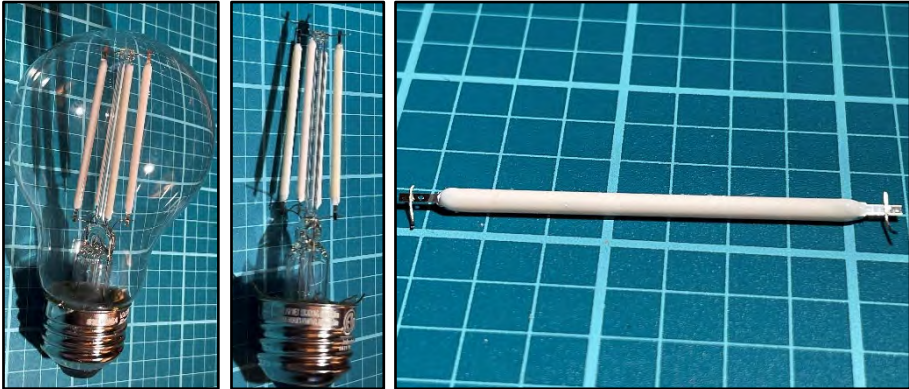
Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

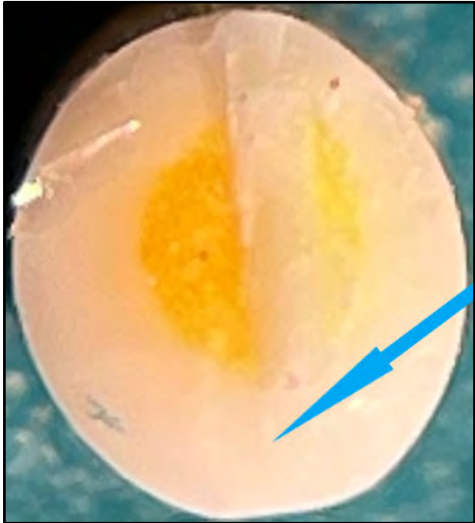
Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

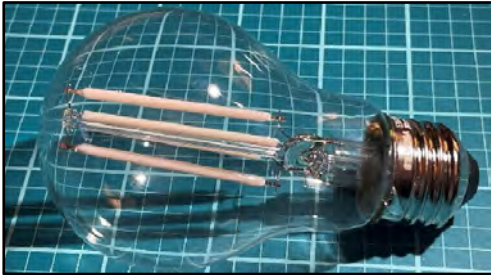
Claim 19	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

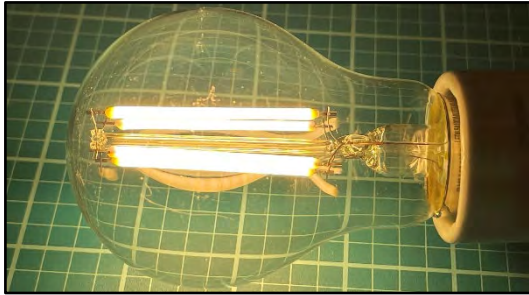
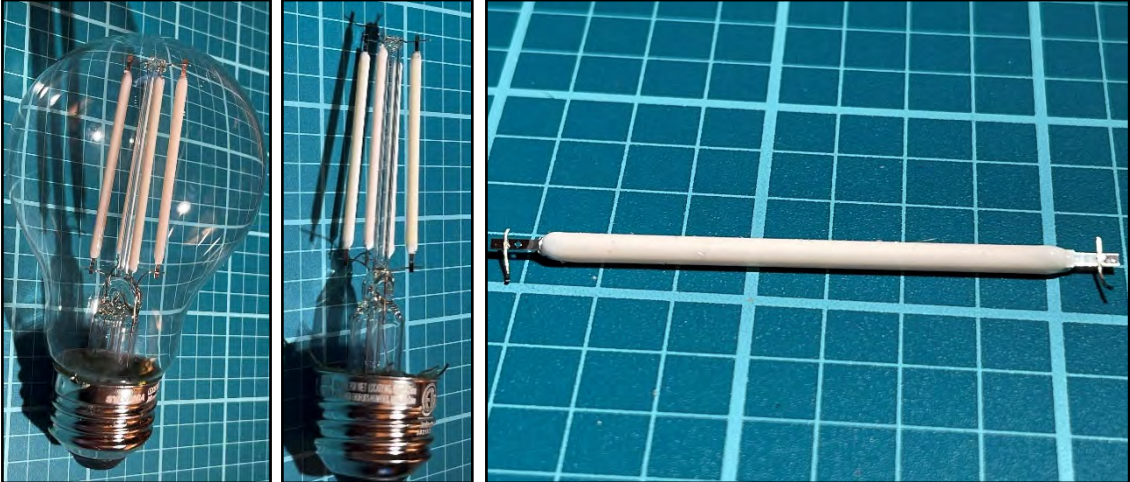
Claim 20	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	The image below depicts a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb. 

Claim 21	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

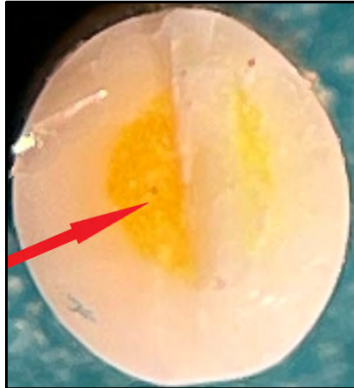
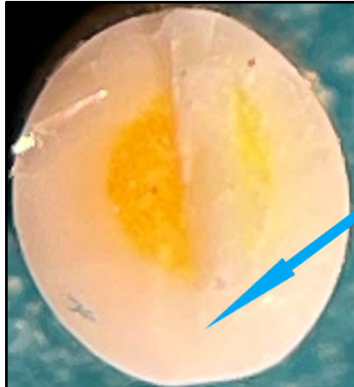
Claim 21	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
	The image below depicts a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

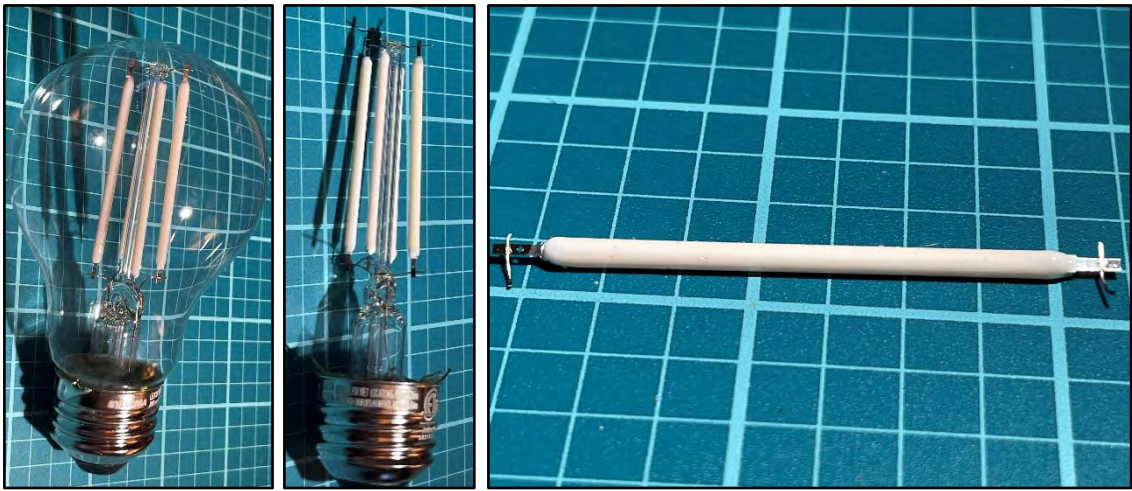
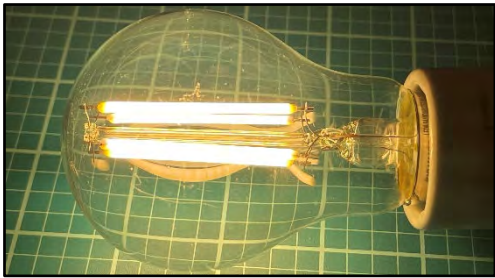
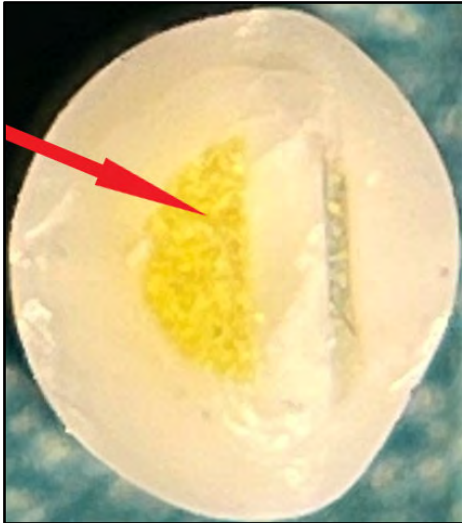
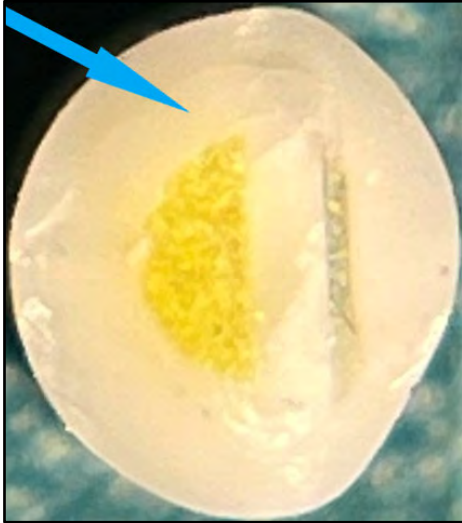
Claim 29	Infringement by Ledvance (LED6.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 2700K LED Model No. LED6.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

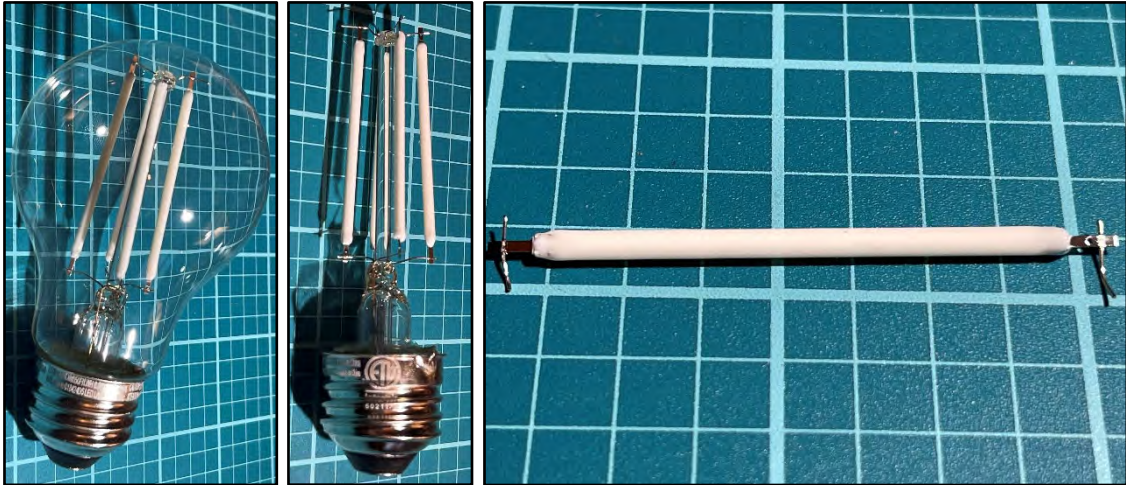
Exhibit 5

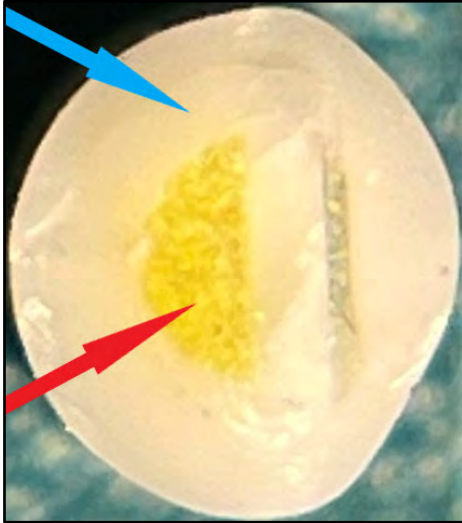
Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184

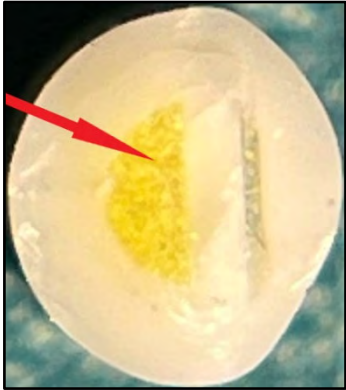
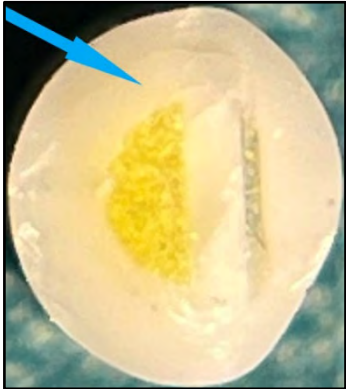
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

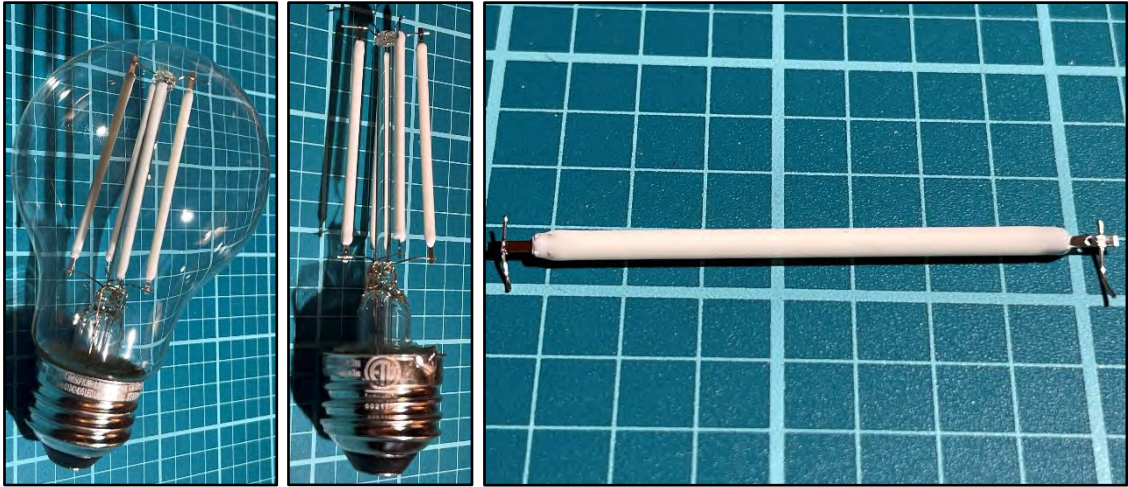
Claim 1	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

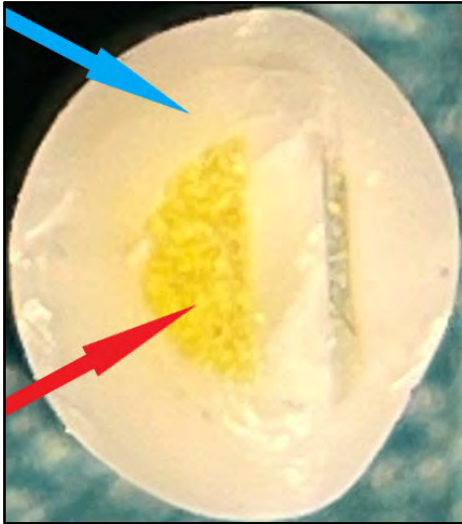
Claim 2	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

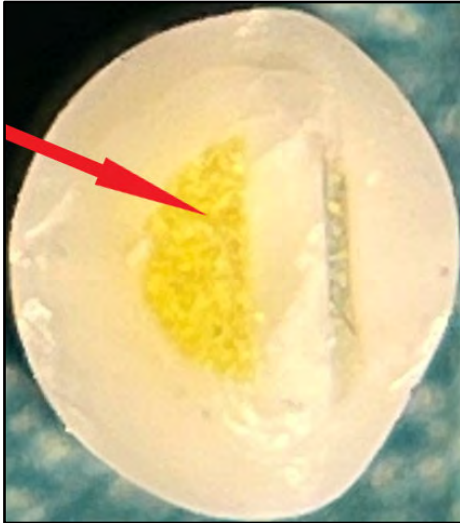
Claim 3	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scattering material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

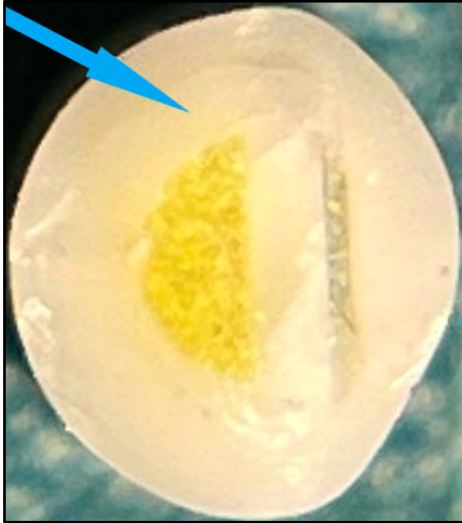
Claim 16	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament. A cross-sectional view of a portion of an LED filament. The filament is cylindrical and composed of two main layers: a central yellow layer, which is the wavelength conversion layer, and an outer white layer, which is the light diffusion layer. The layers are circular in cross-section and extend throughout the length of the filament. A single LED filament lying horizontally on a blue grid surface. The filament is a long, thin, cylindrical tube with a white outer layer and a yellow inner layer. It has small metal contacts at both ends, which are visible as small protrusions from the filament.

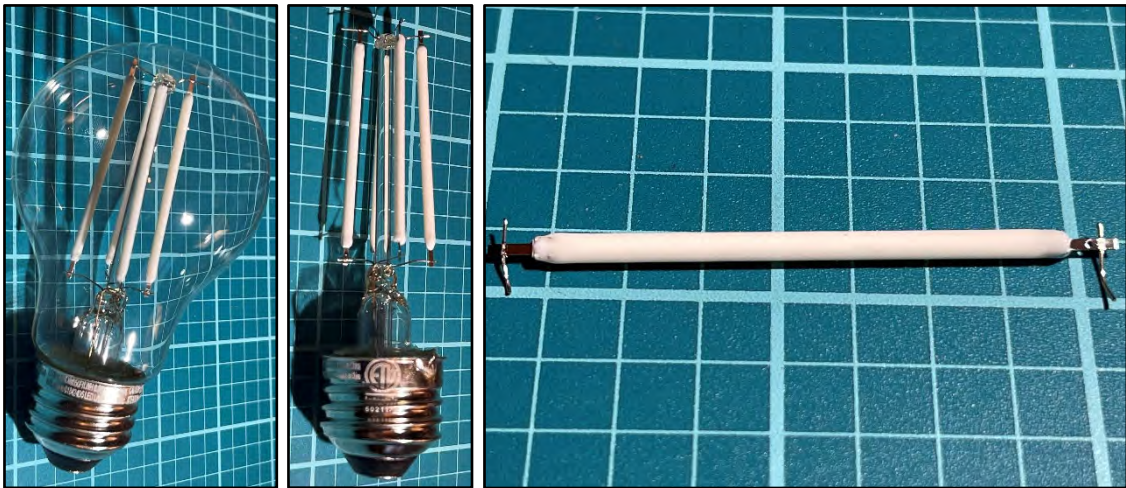
Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

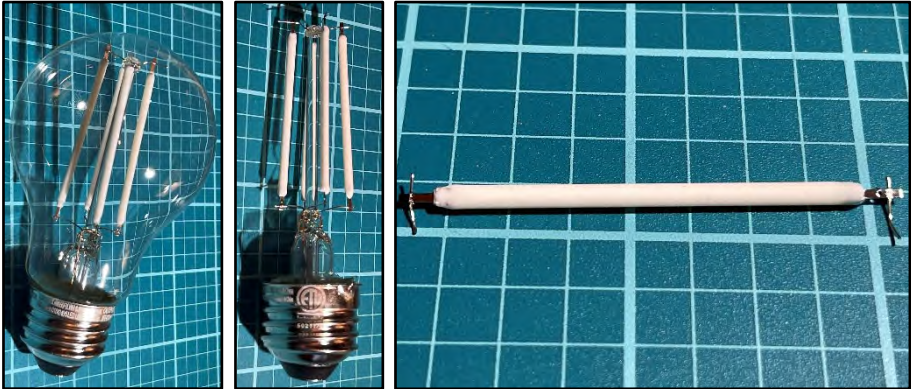
Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

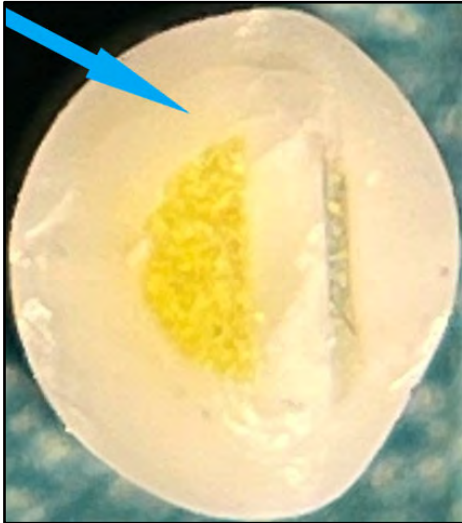
Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

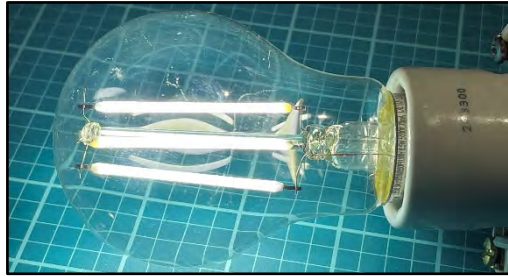
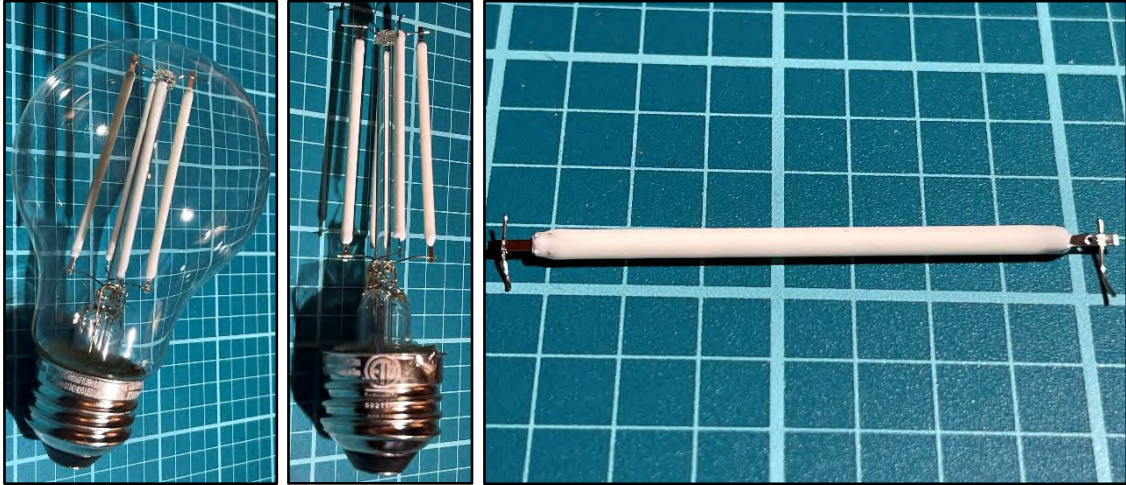
Claim 19	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	The image below depicts a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb. 
Claim 21	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

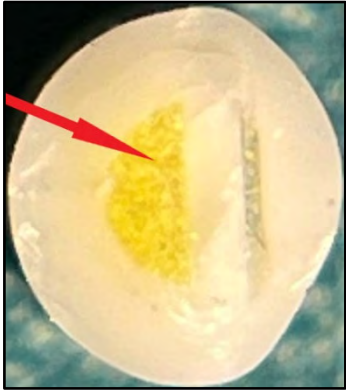
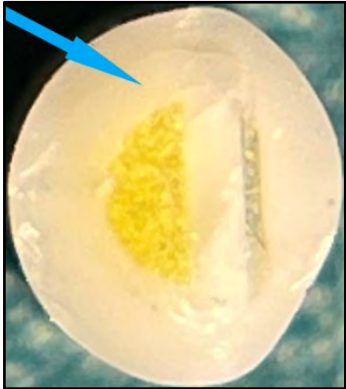
Claim 21	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
	The image below depicts a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

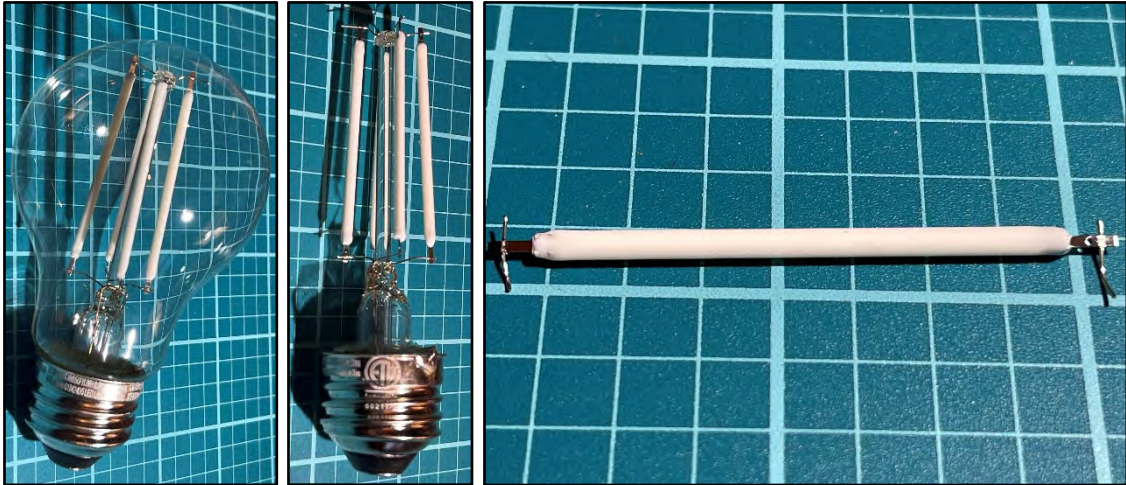
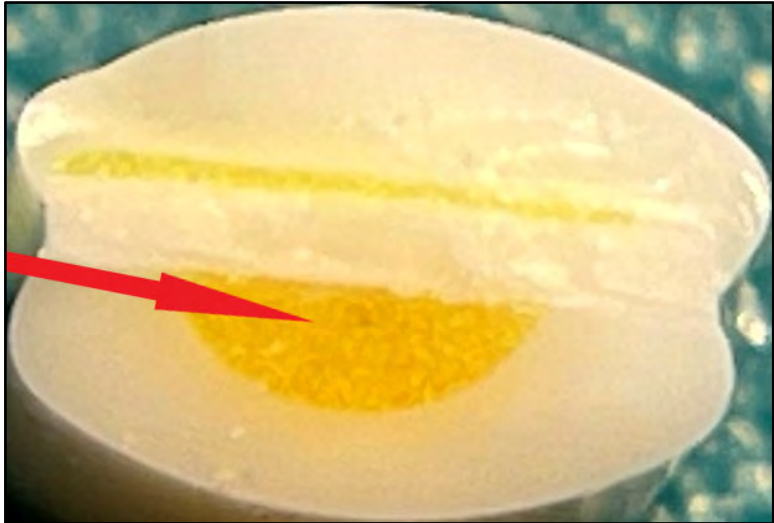
Claim 29	Infringement by Ledvance (LED6.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W A19 5000K LED Model No. LED6.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

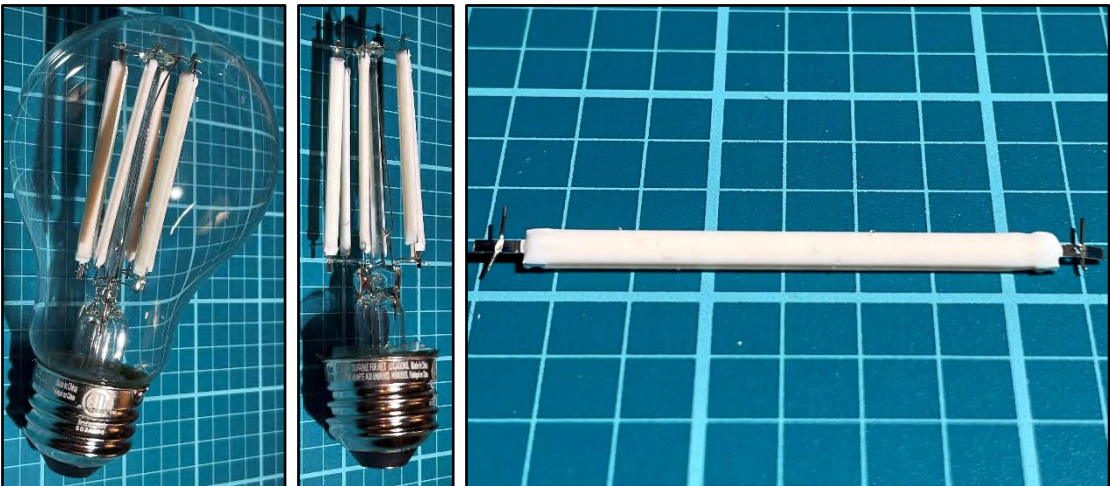
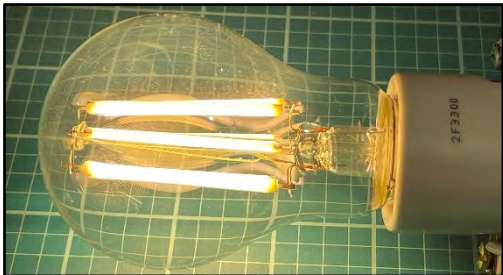
Exhibit 6

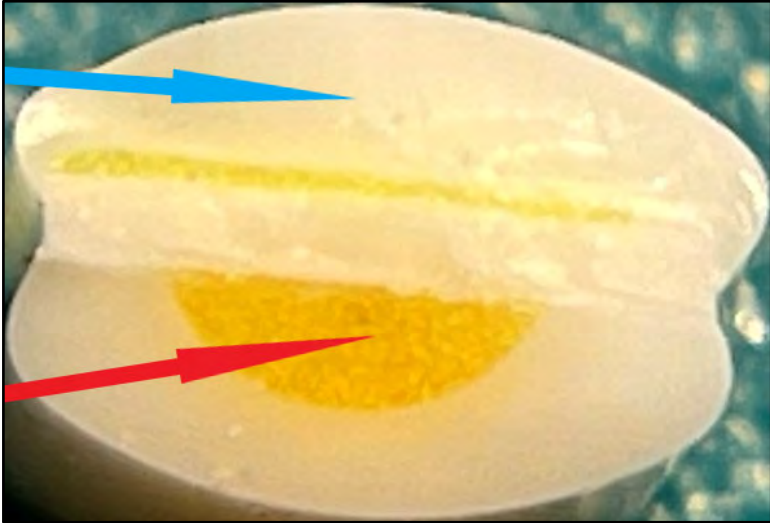
Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184

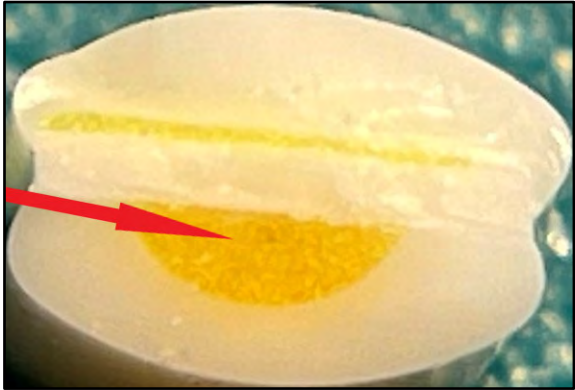
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

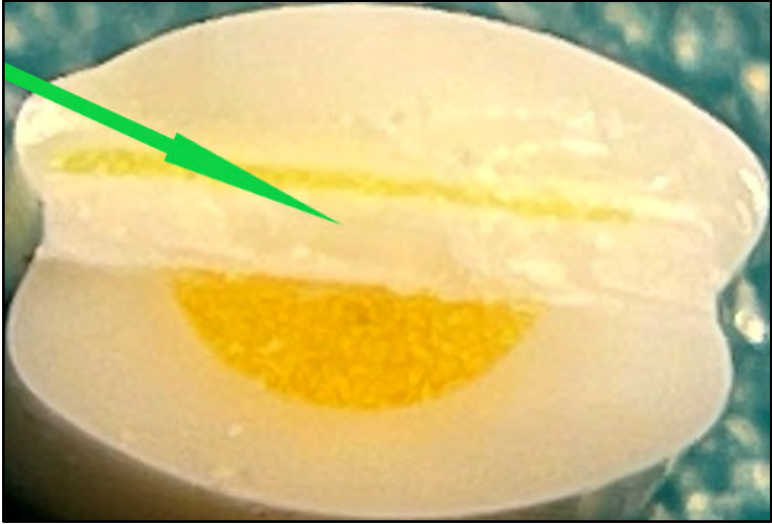
Claim 1	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

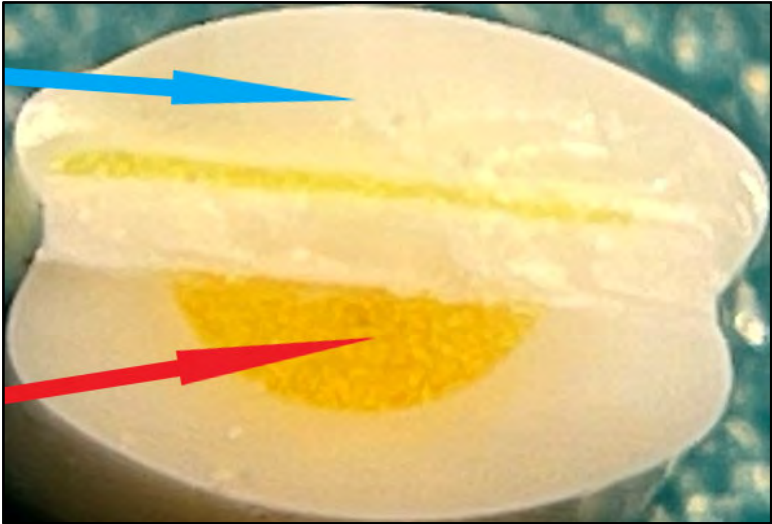
Claim 2	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

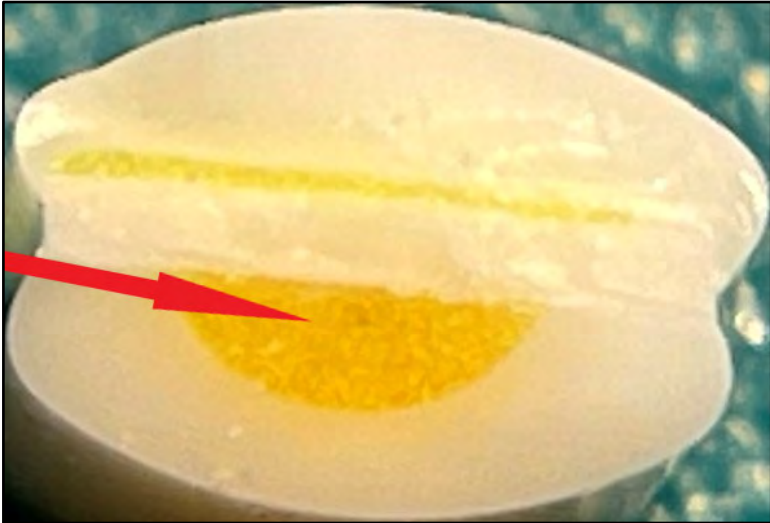
Claim 3	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

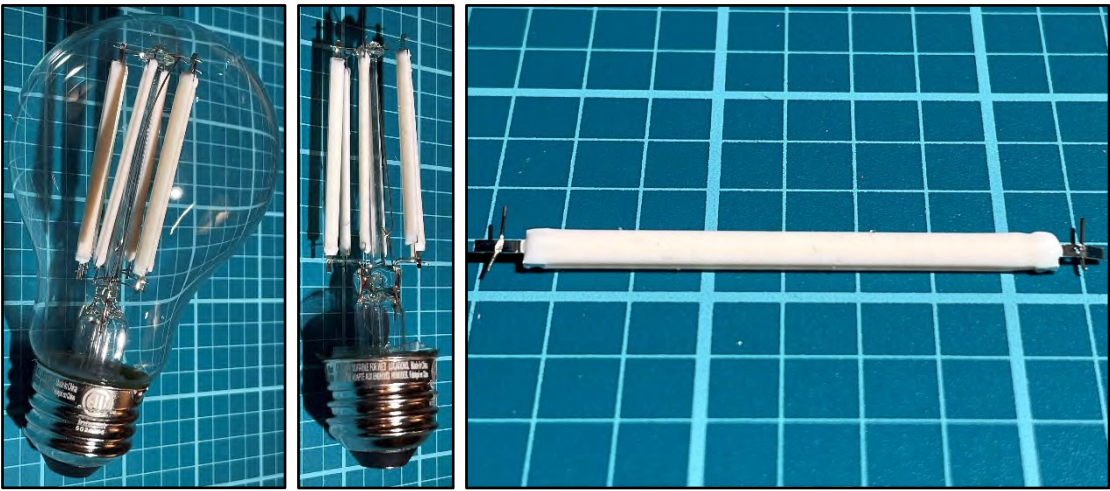
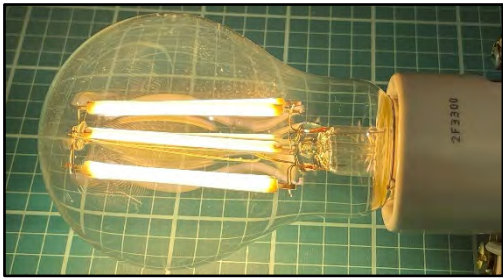
Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. The image block contains three photographs. The leftmost photograph shows a standard A19 incandescent light bulb with a clear glass envelope and a visible internal filament structure. The middle photograph shows the same bulb with the glass envelope removed, revealing the internal filament assembly. The rightmost photograph is a close-up of a single filament, showing its coiled structure and the electrical contacts at each end.

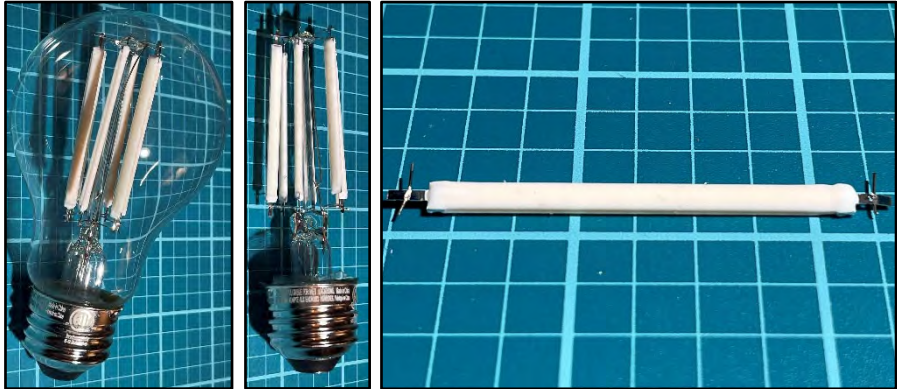
Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

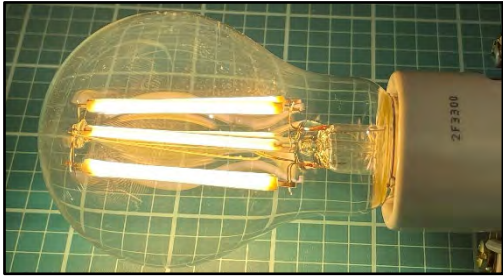
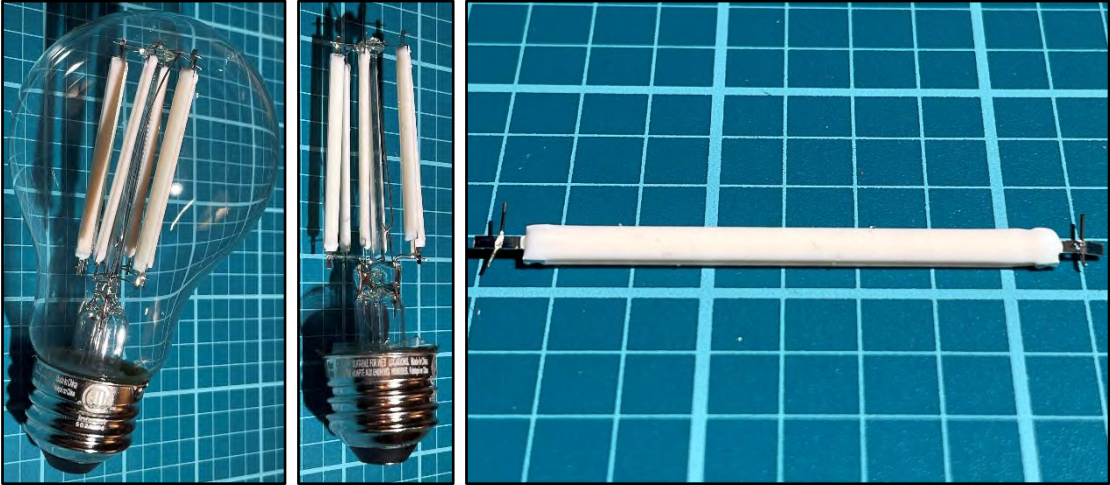
Claim 19	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184) The image below depicts a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184) The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

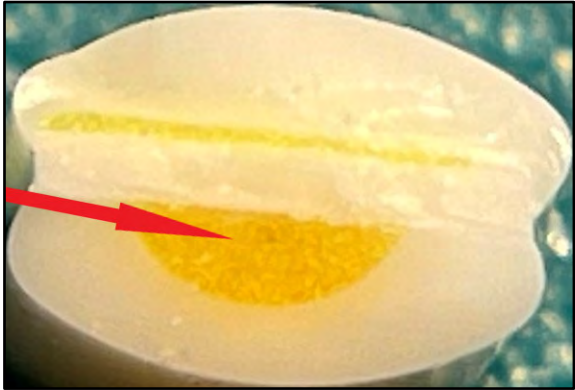
Claim 21	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
	The image below depicts a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

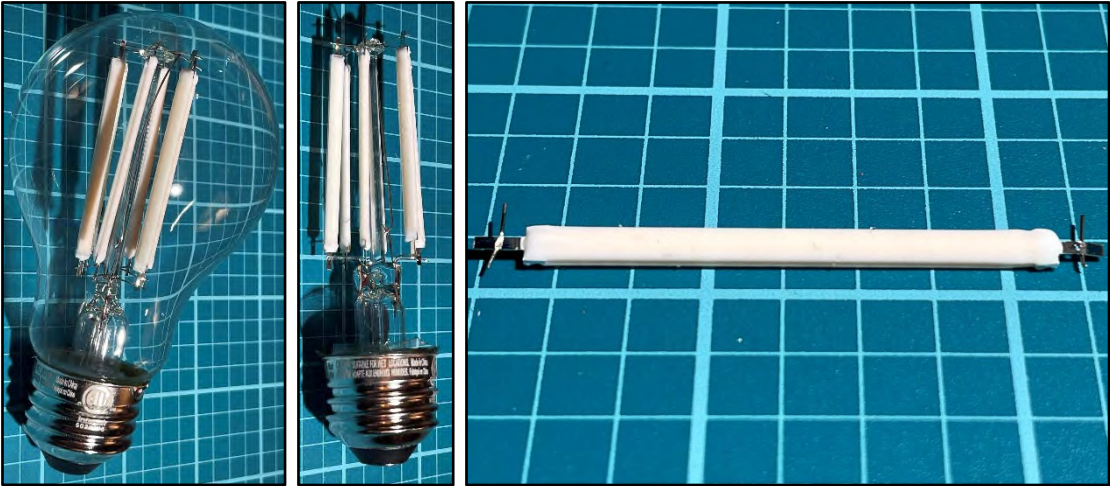
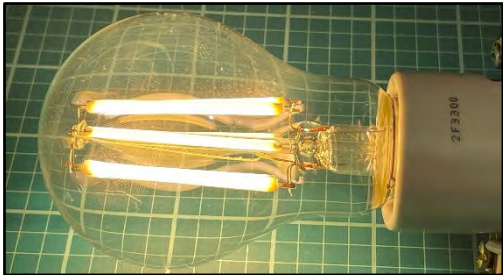
Claim 29	Infringement by Ledvance (LED11.5A19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 2700K LED Model No. LED11.5A19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

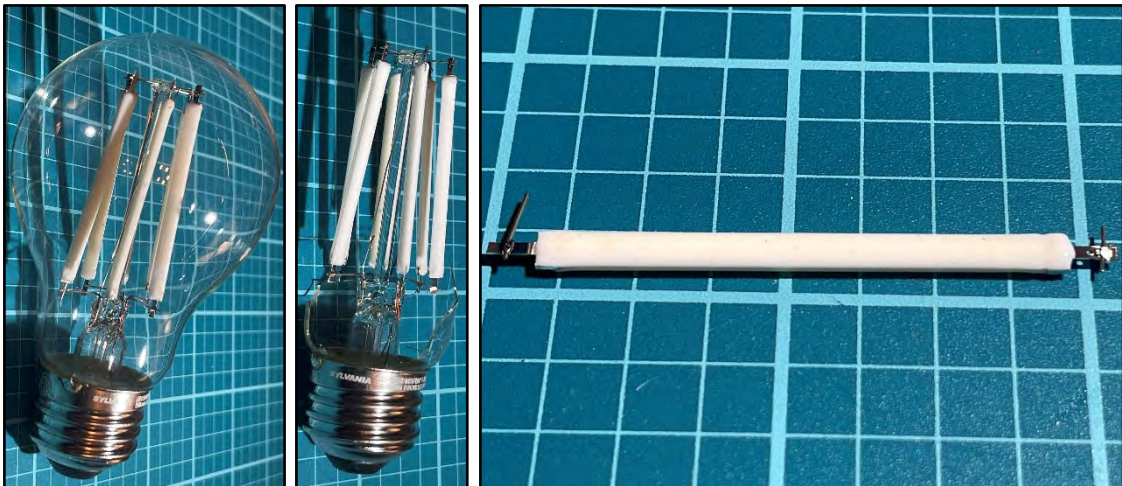
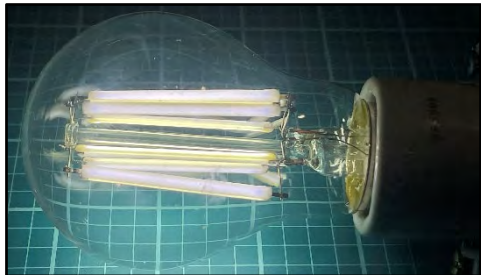
Exhibit 7

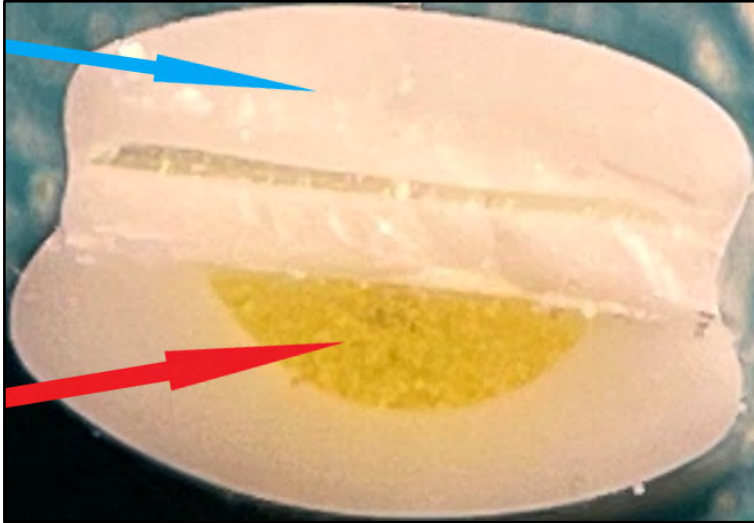
Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184

Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

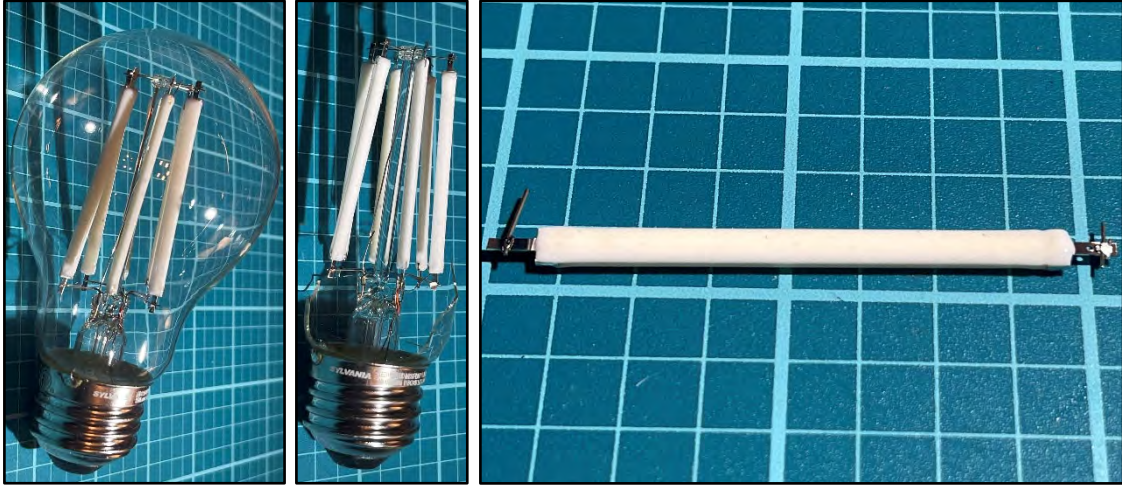
Claim 1	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.  The image is a cross-sectional photograph of a portion of an LED filament. It shows a central yellowish, granular core surrounded by a white, translucent material. A blue arrow points to the white material, indicating it is the light diffusing layer. The filament has a slightly irregular, bulbous shape.

Claim 1	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 2	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other.  The image is a cross-sectional view of a portion of an LED filament. It shows a central yellow region, which is the wavelength conversion material, surrounded by a white region, which is the light diffusing material. A red arrow points to the yellow region, and a blue arrow points to the white region. The two regions are in direct contact with each other.

Claim 3	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

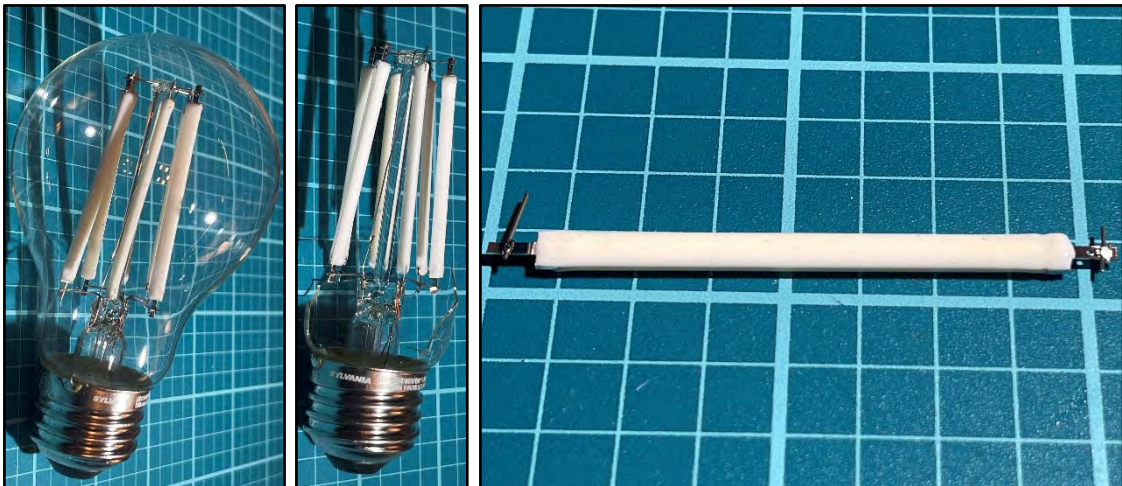
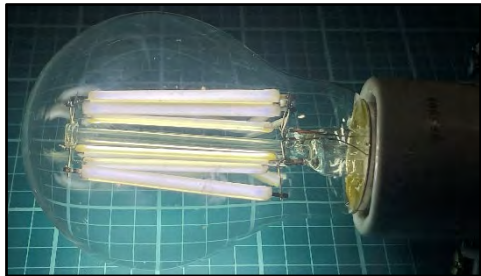
Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

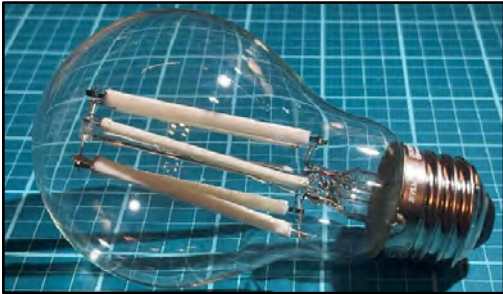
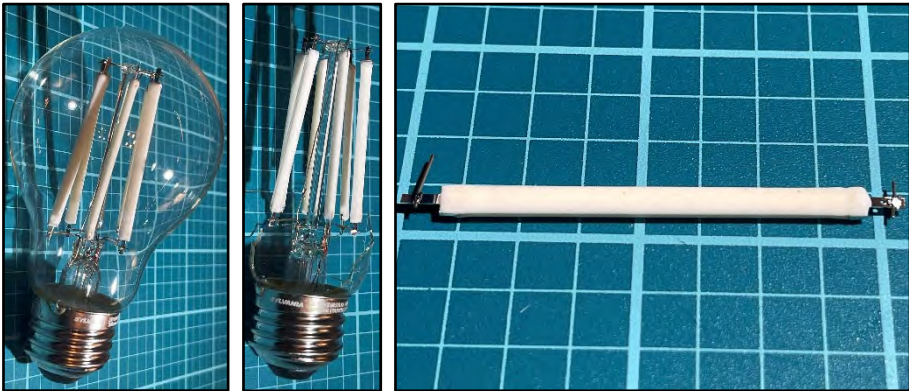
Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone.  The image is a cross-sectional photograph of a portion of an LED filament. It shows a central yellowish, granular core surrounded by a white, translucent material. A blue arrow points to the white material, indicating it is the light diffusing layer. The filament has a slightly irregular, bulbous shape.

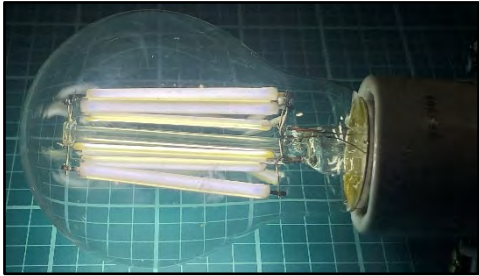
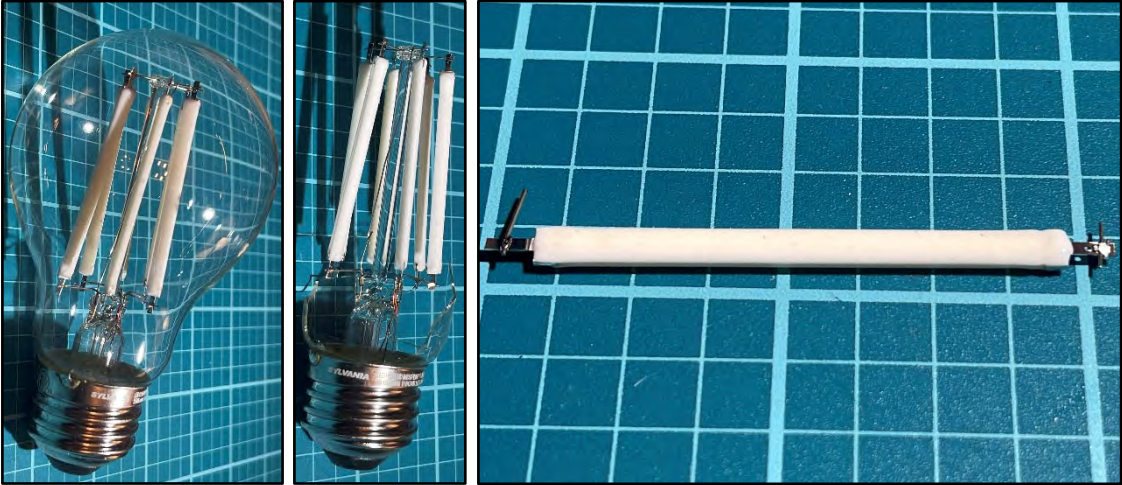
Claim 19	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184) The image below depicts a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184) The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

Claim 21	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
	The image below depicts a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

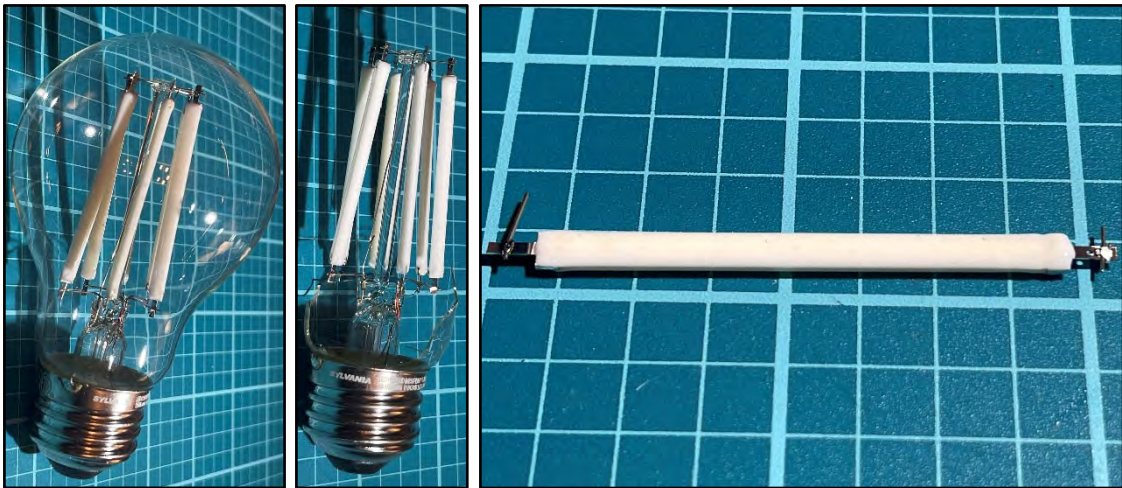
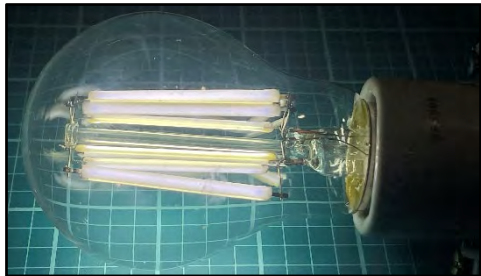
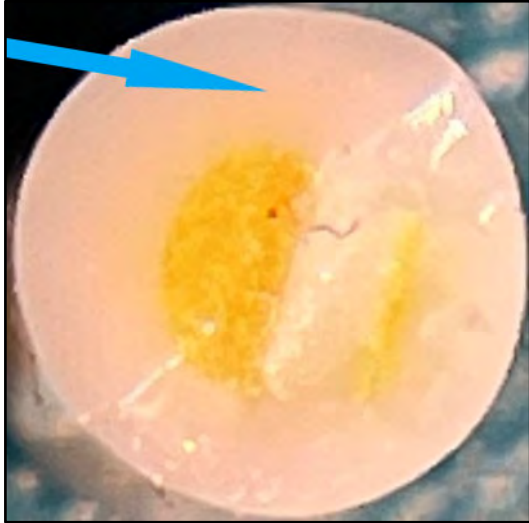
Claim 29	Infringement by Ledvance (LED11.5A19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 100W A19 5000K LED Model No. LED11.5A19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

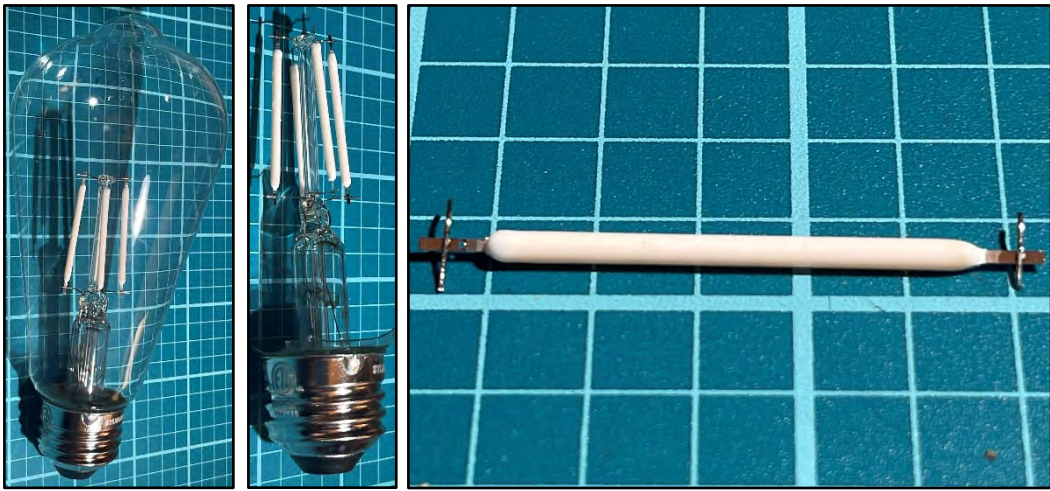
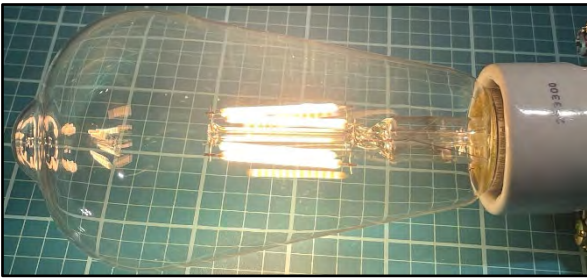
Exhibit 8

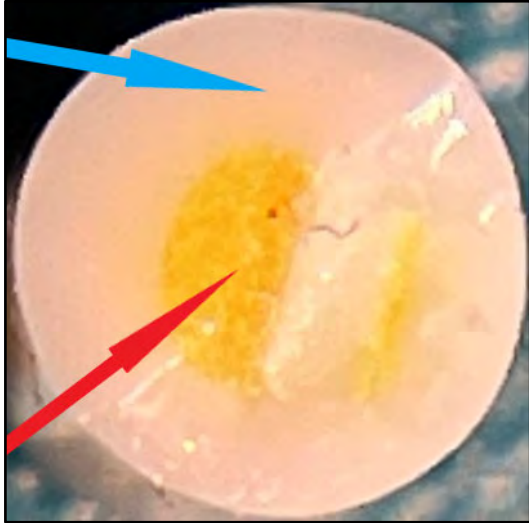
Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184

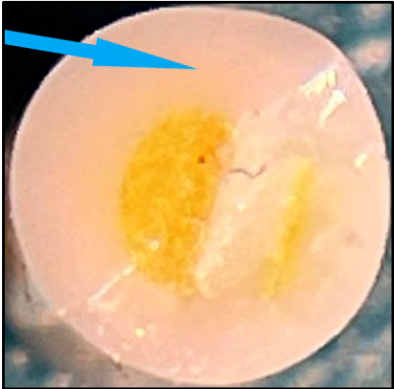
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

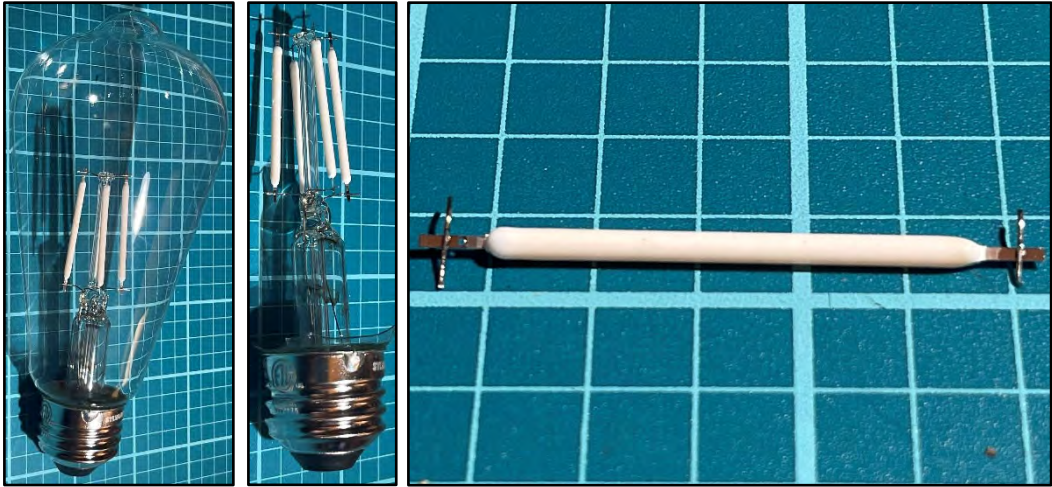
Claim 1	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 2	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

Claim 3	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

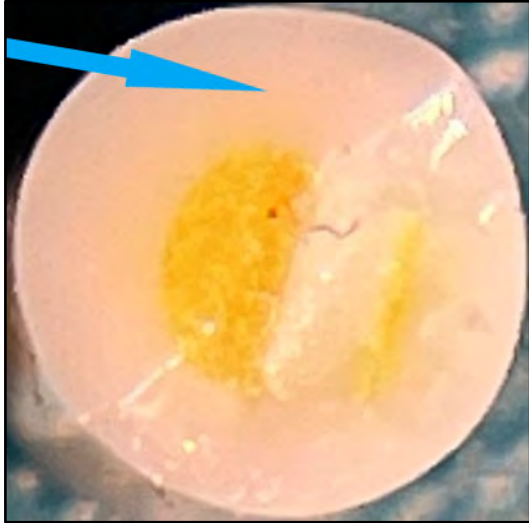
Claim 16	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament. A circular cross-section of an LED filament. The center is a bright yellow, textured area, likely the phosphor layer. This is surrounded by a translucent, pinkish-white outer layer, which is the light-diffusing layer. The overall shape is circular and planar. A single, long, thin, cylindrical LED filament lying horizontally on a blue surface with a white grid pattern. The filament is white and has small metal contacts at both ends.

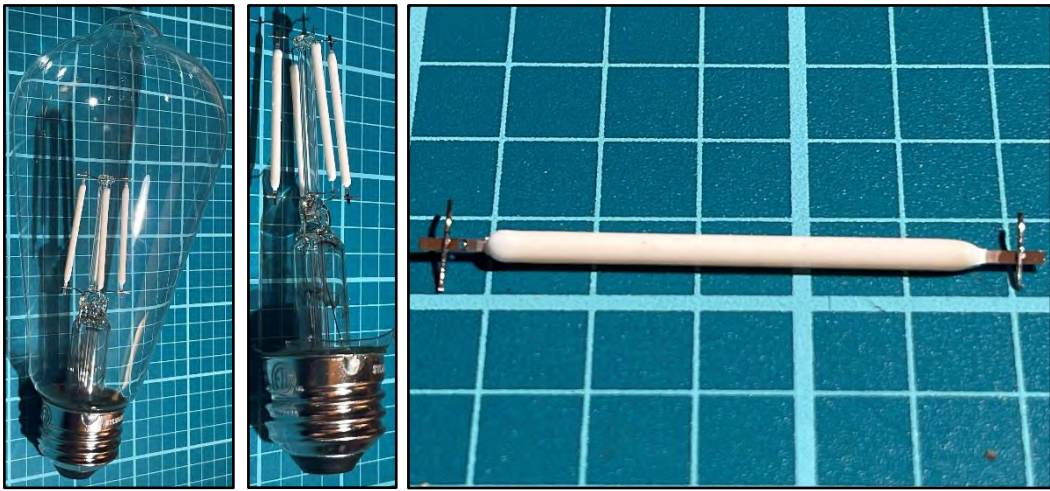
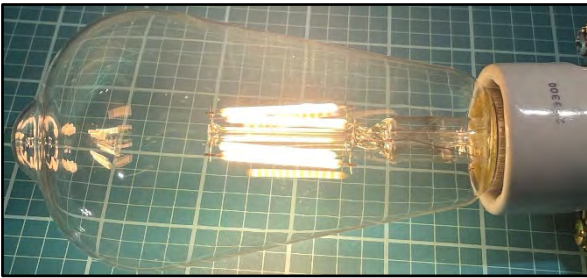
Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

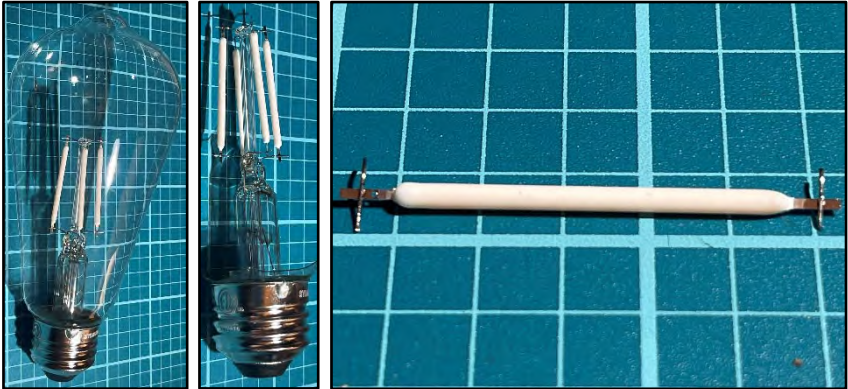
Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

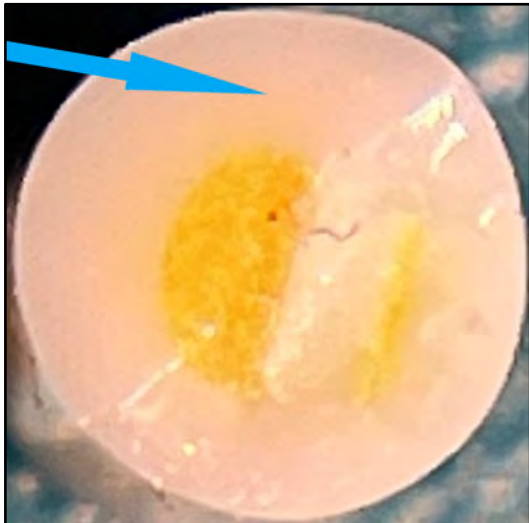
Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

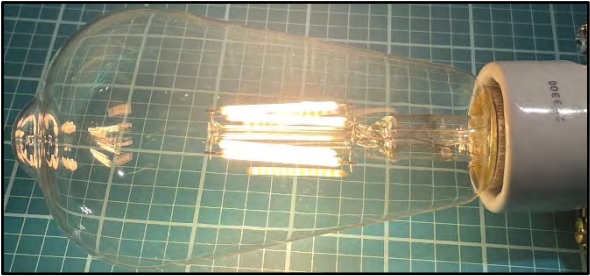
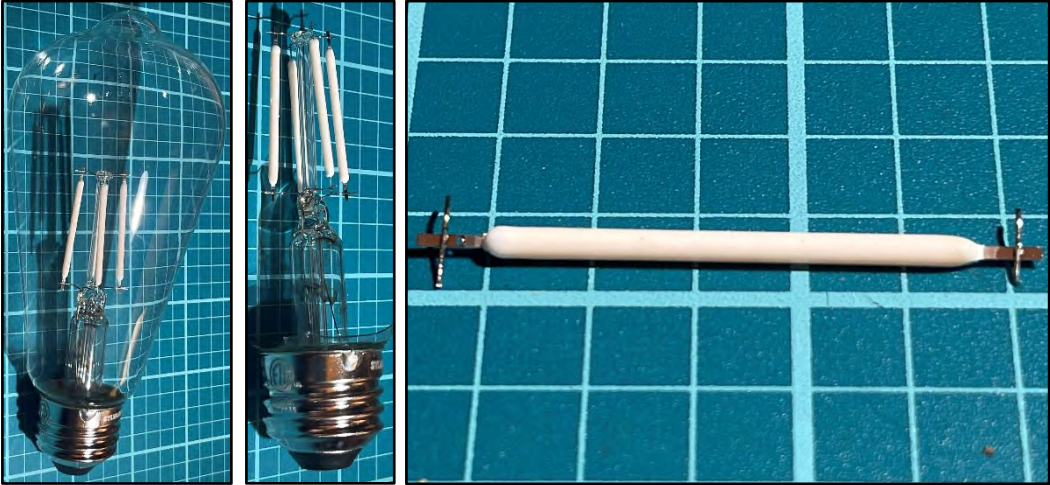
Claim 19	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	The image below depicts a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb. 
Claim 21	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

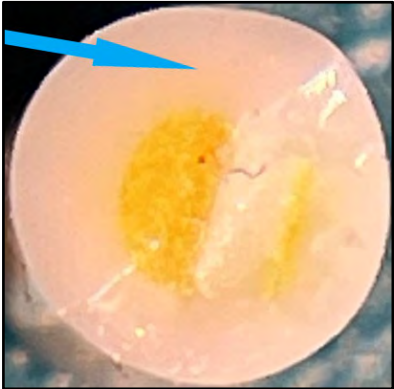
Claim 21	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
	The image below depicts a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

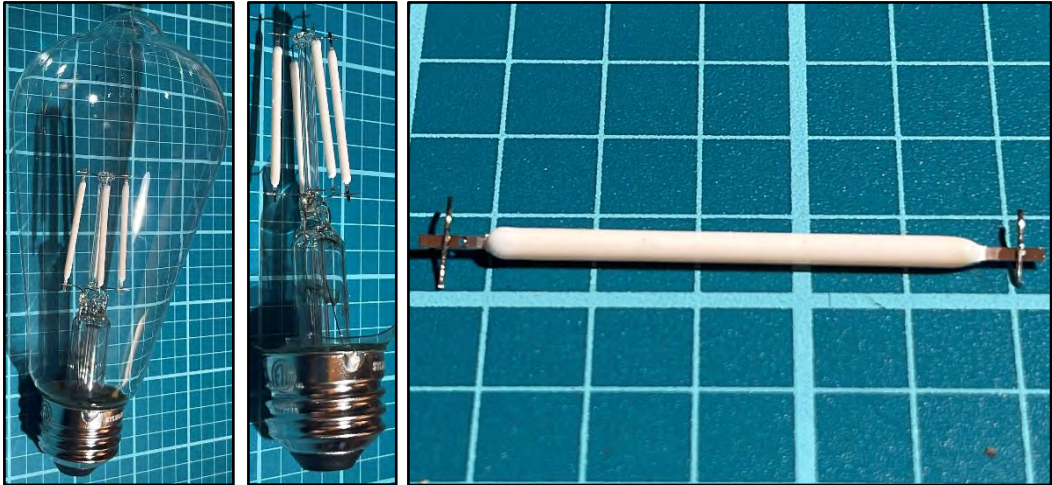
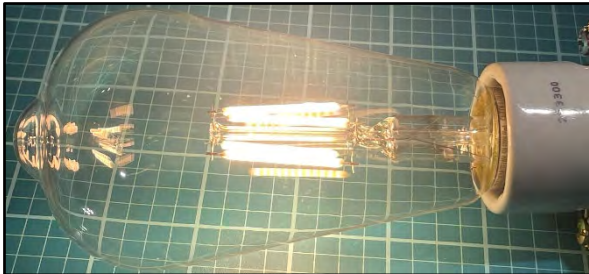
Claim 29	Infringement by Ledvance (LED5ST19DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 2700K LED Model No. LED5ST19DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

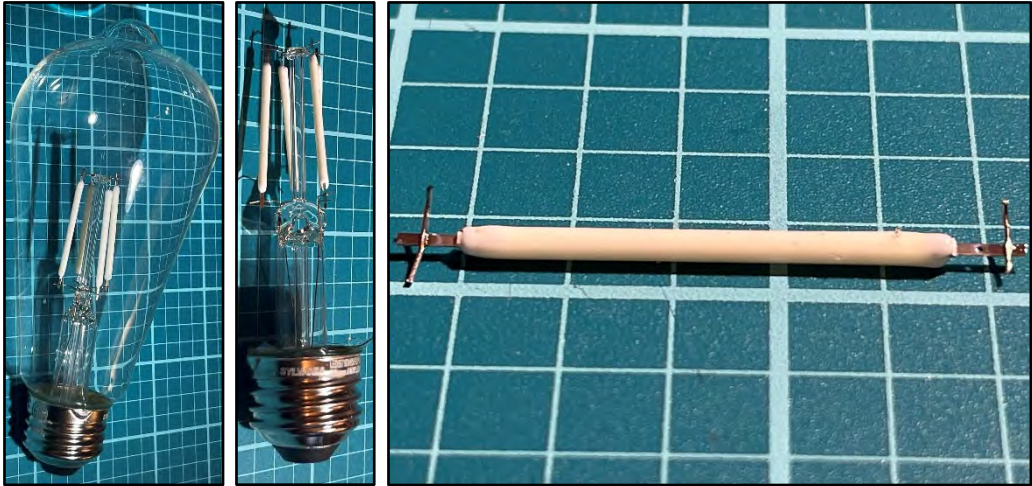
Exhibit 9

Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184

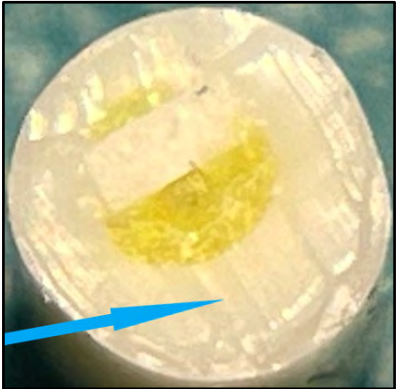
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

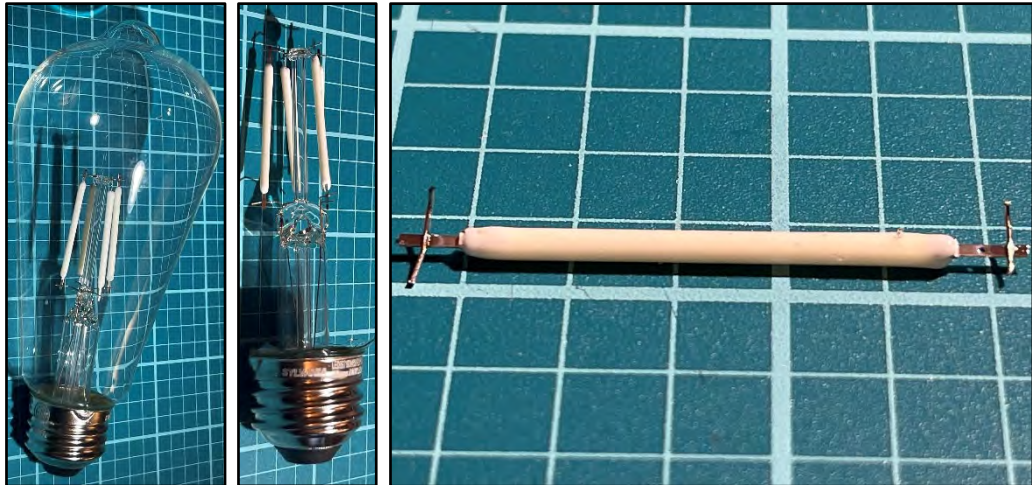
Claim 1	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

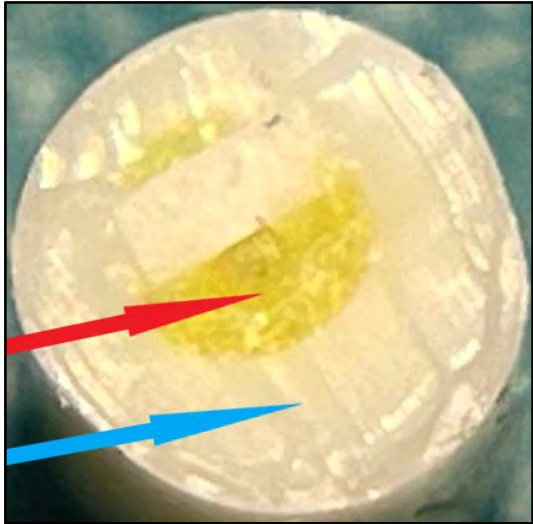
Claim 2	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

Claim 3	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 16	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

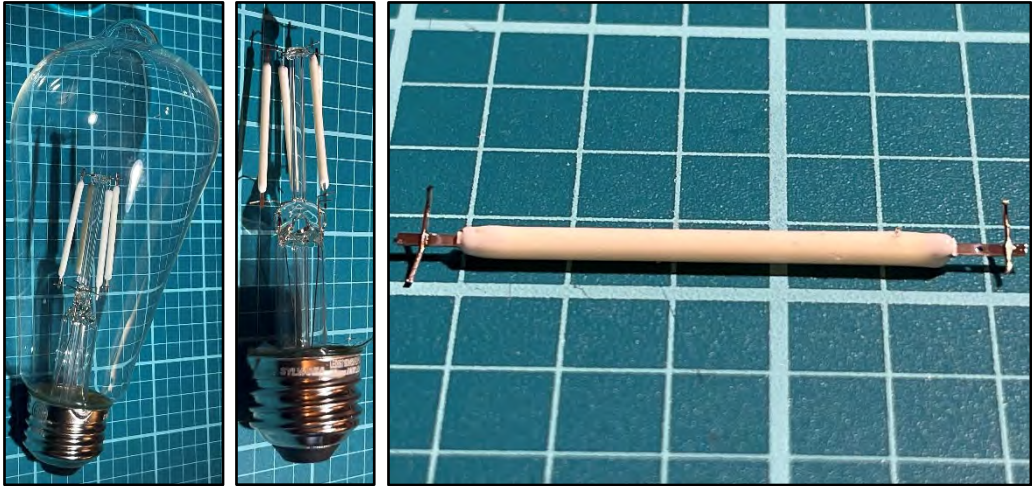
Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

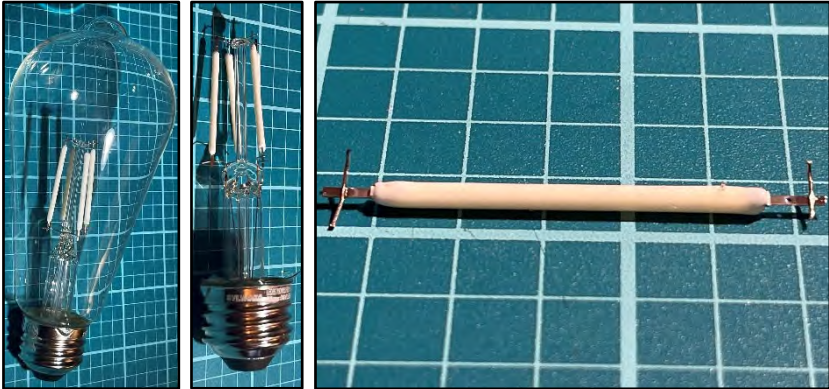
Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.

Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

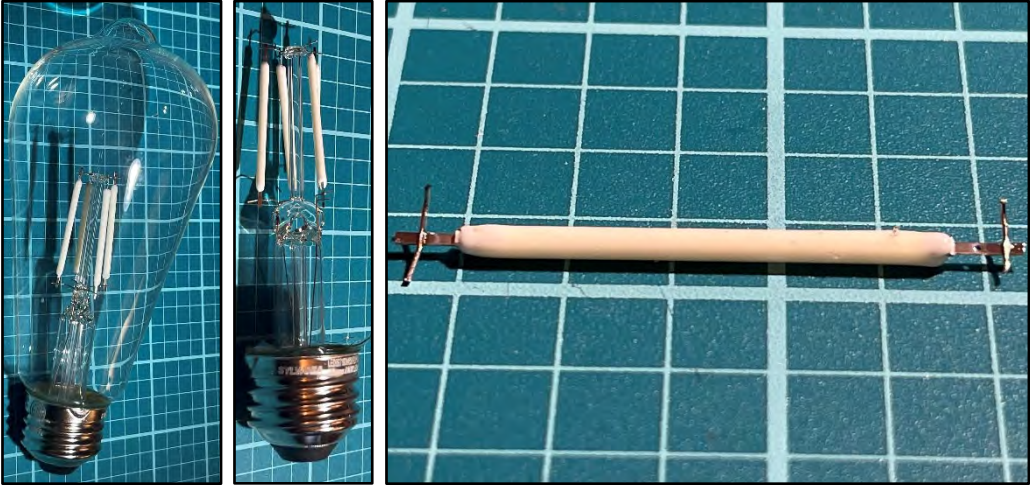
Claim 19	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184) The image below depicts a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184) The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

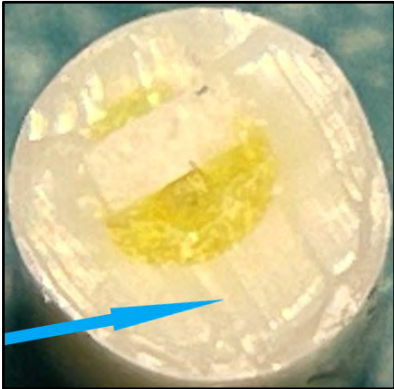
Claim 21	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
	The image below depicts a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

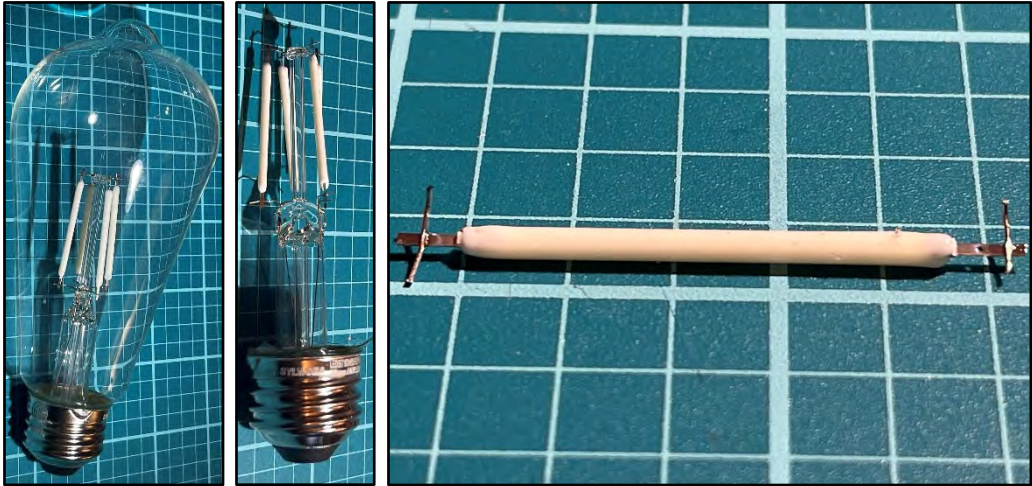
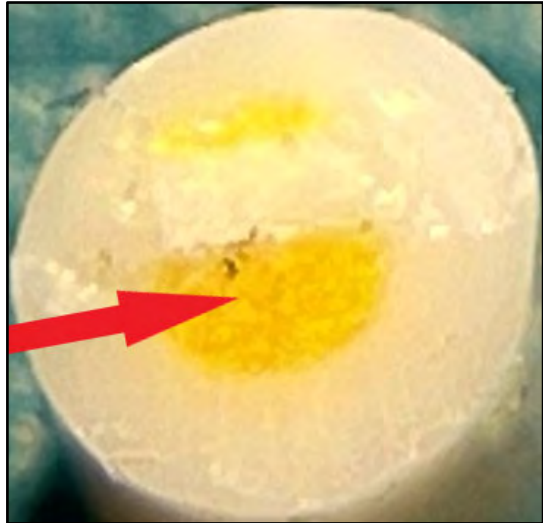
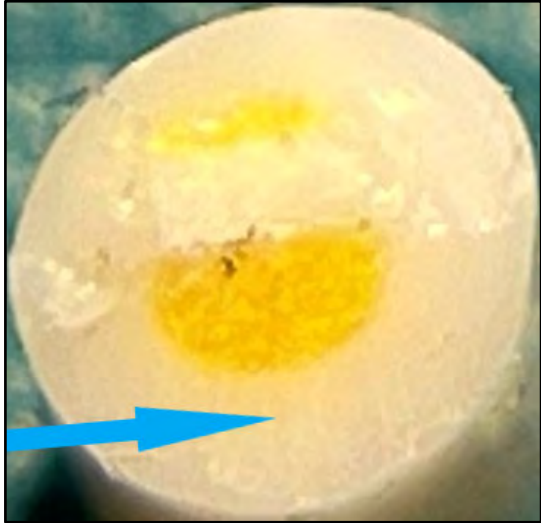
Claim 29	Infringement by Ledvance (LED5ST19DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W ST19 5000K LED Model No. LED5ST19DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

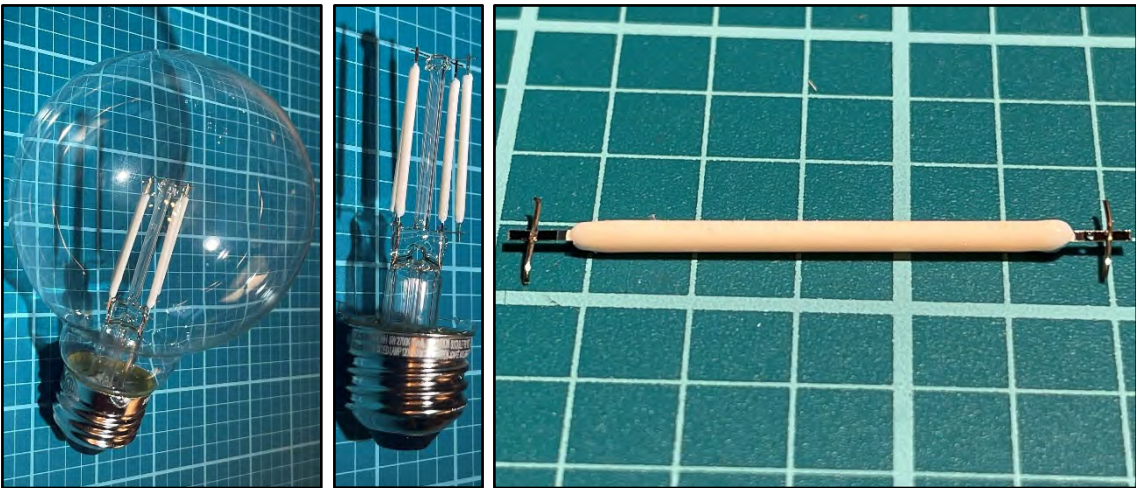
Exhibit 10

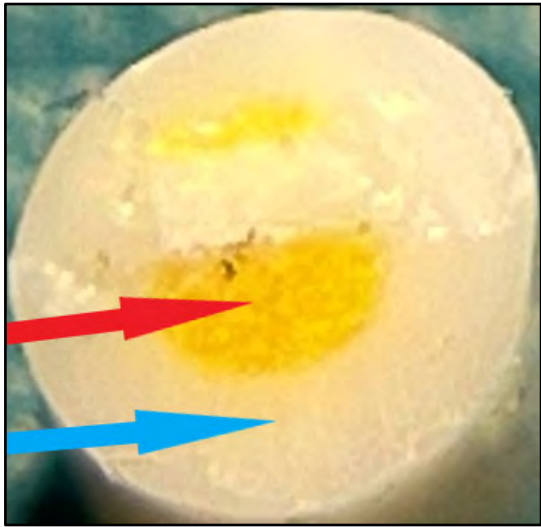
Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184

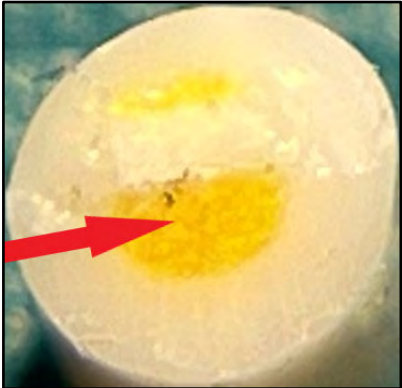
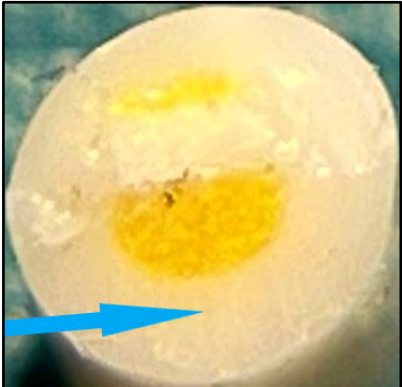
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

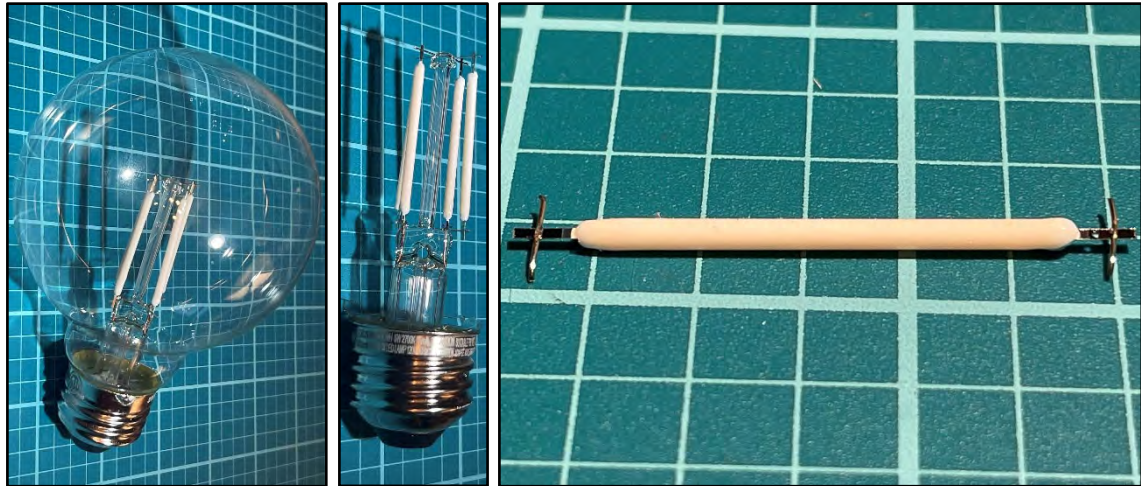
Claim 1	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 1	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

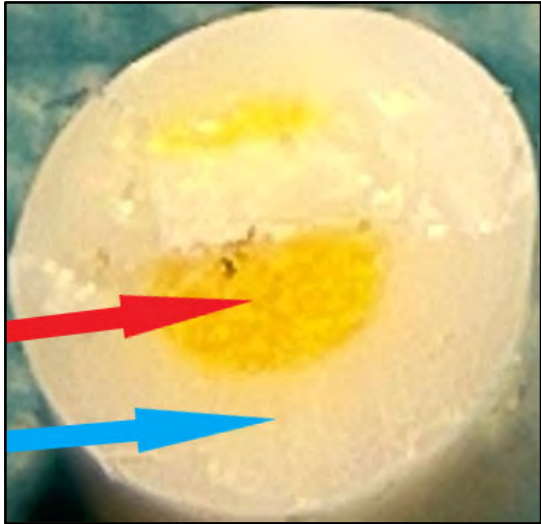
Claim 2	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

Claim 3	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

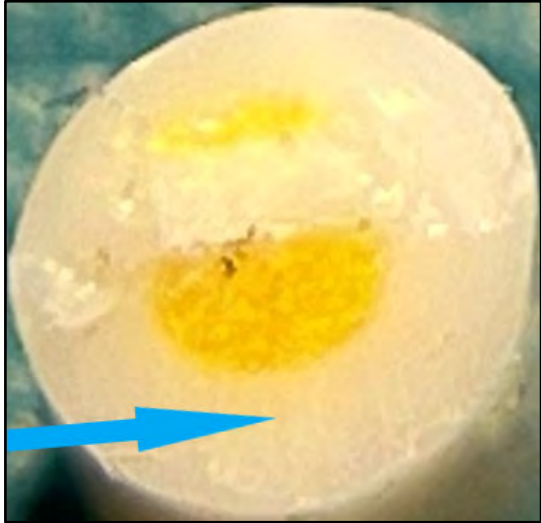
Claim 16	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

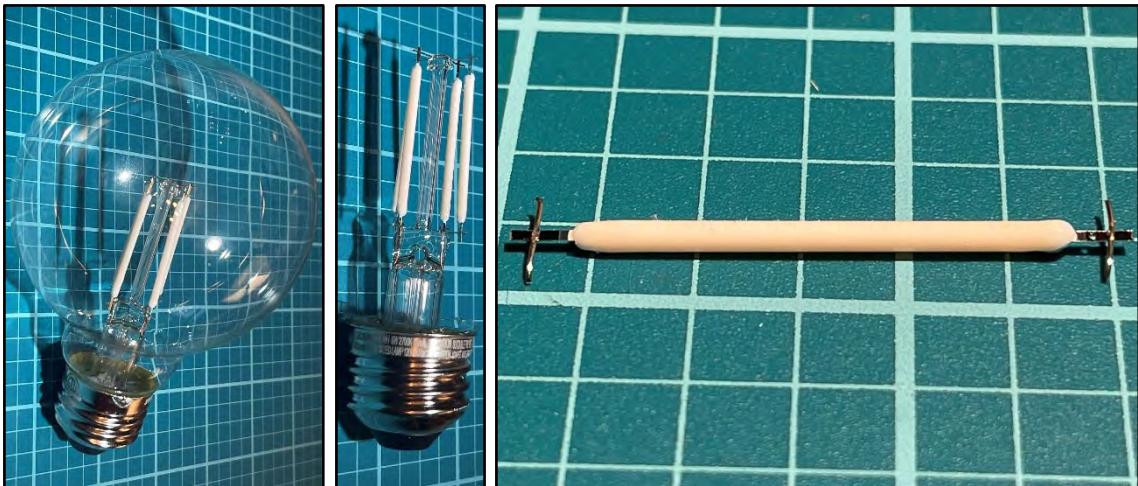
Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments. 

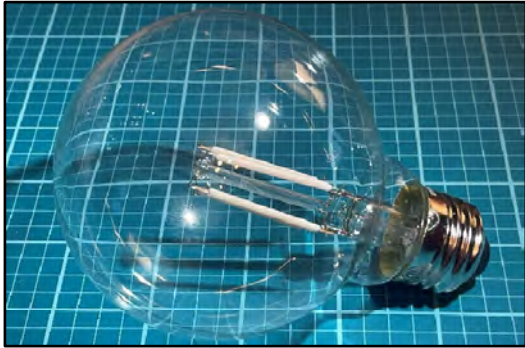
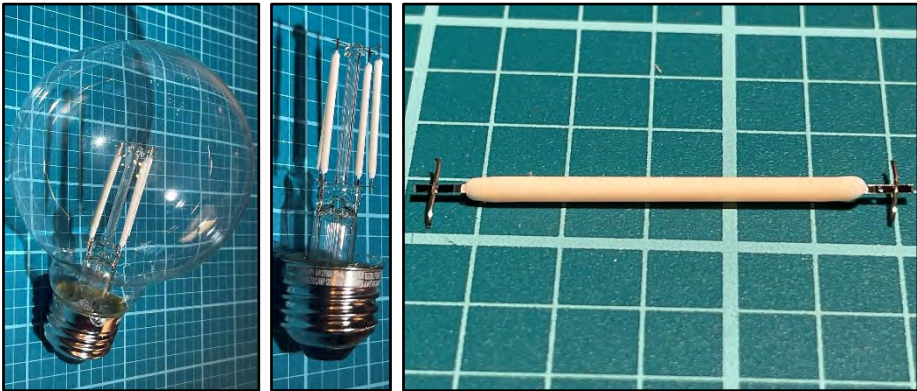
Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below.

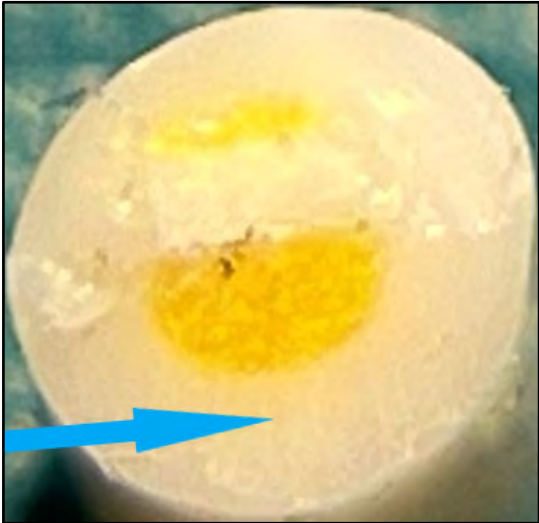
Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.

Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

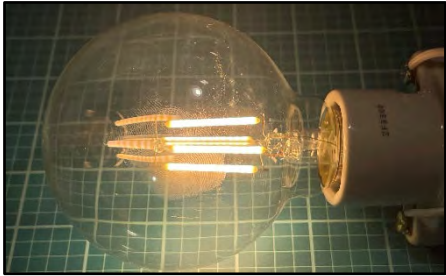
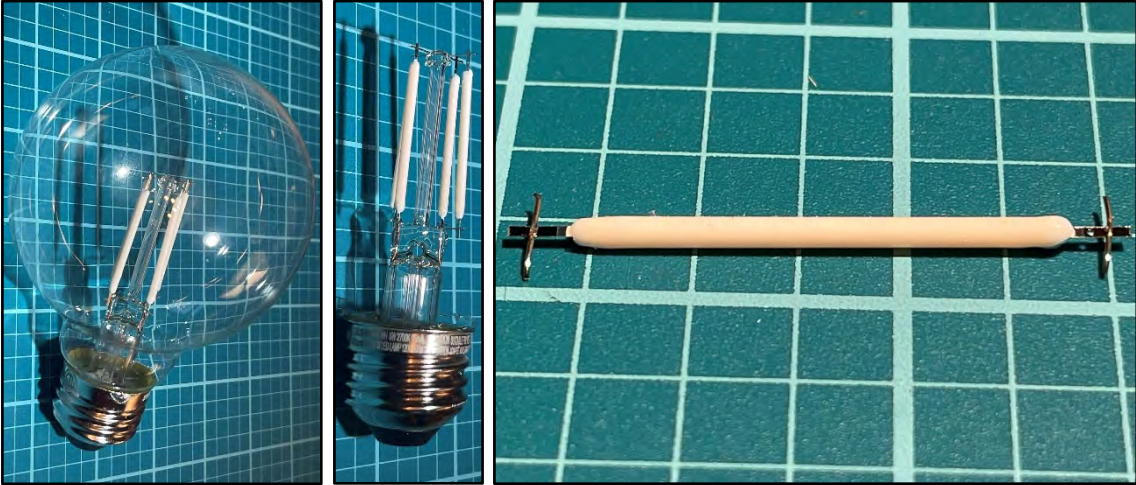
Claim 19	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED5G25DIM827FILWHRP20184) The image below depicts a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED5G25DIM827FILWHRP20184) The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

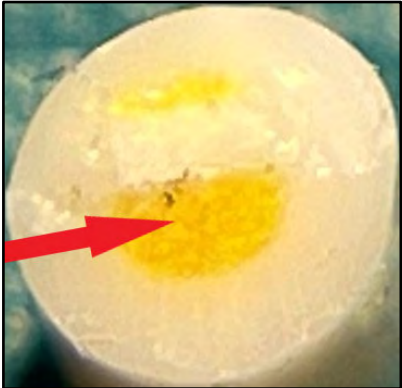
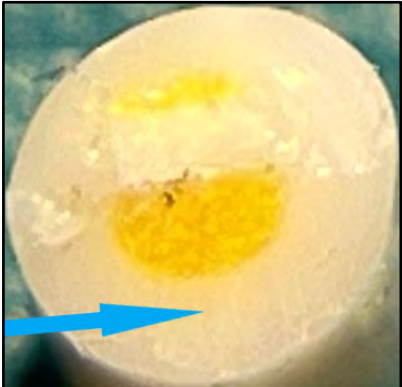
Claim 21	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

Claim 25	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
	The image below depicts a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

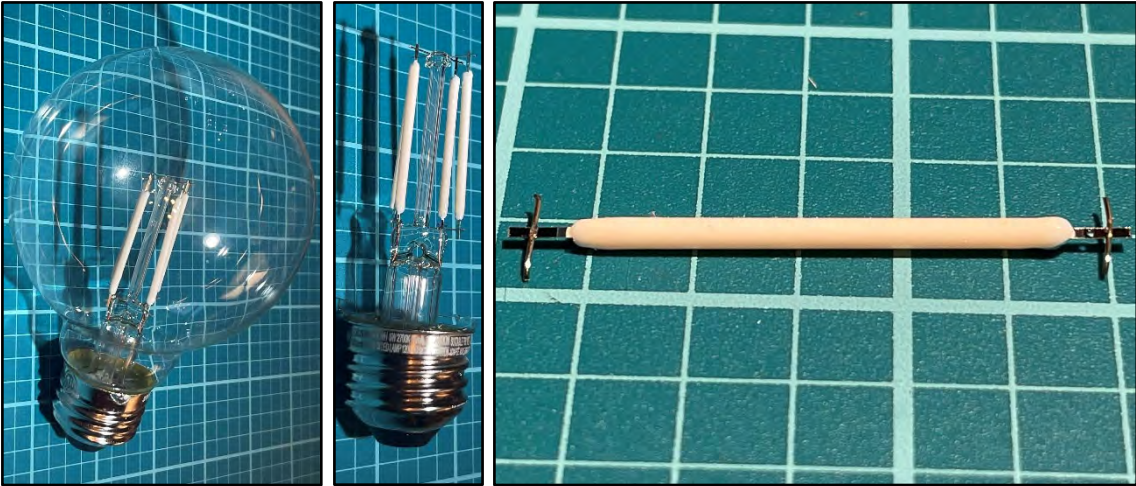
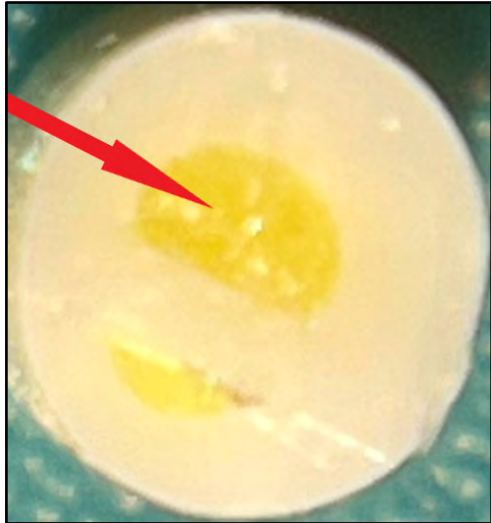
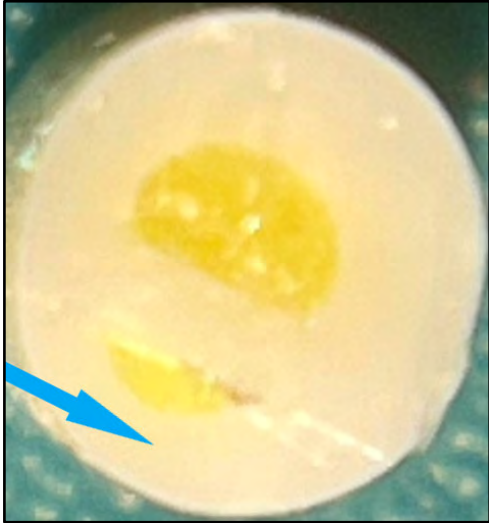
Claim 29	Infringement by Ledvance (LED5G25DIM827FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 2700K LED Model No. LED5G25DIM827FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

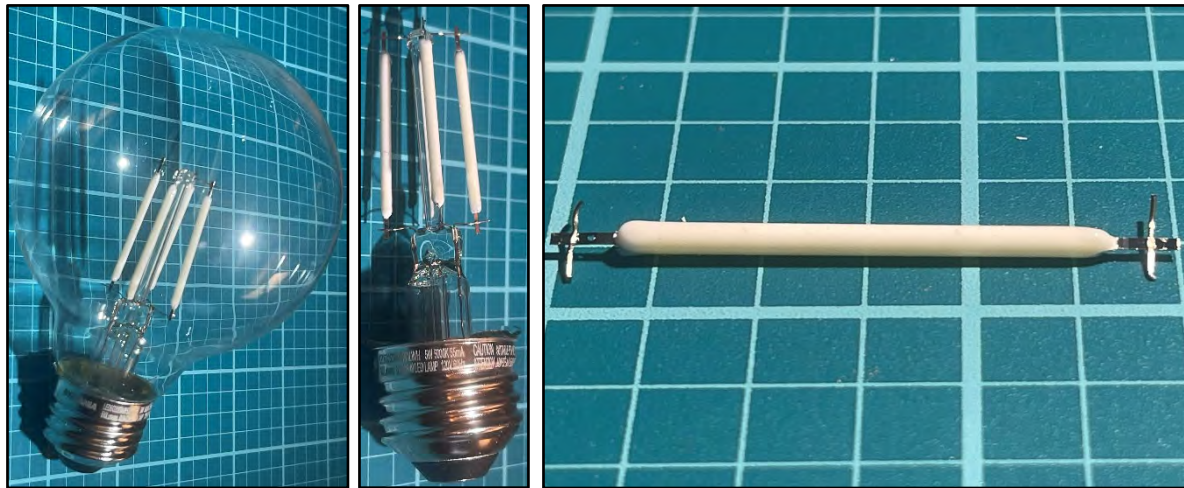
Exhibit 11

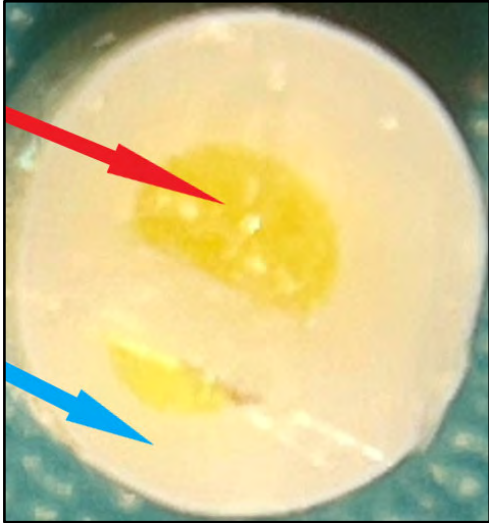
Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184

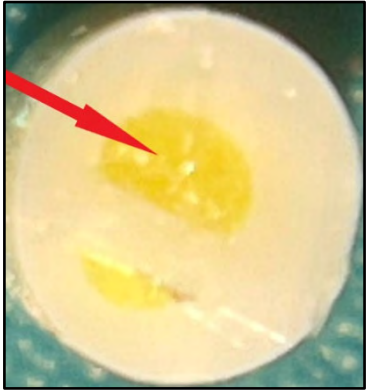
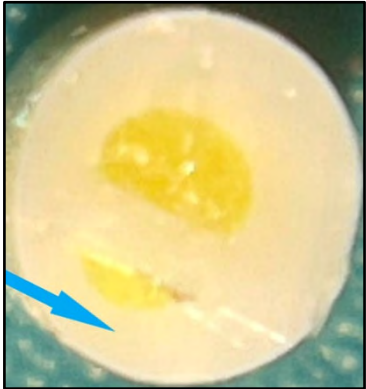
Claims 1, 2, 3, 16, 19, 20, 21, 25, and 29 of U.S. Patent No. 8,604,678

Claim 1	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
A wavelength conversion component for a light emitting device comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184, which incorporates a wavelength conversion component for an LED.
a wavelength conversion layer comprising particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

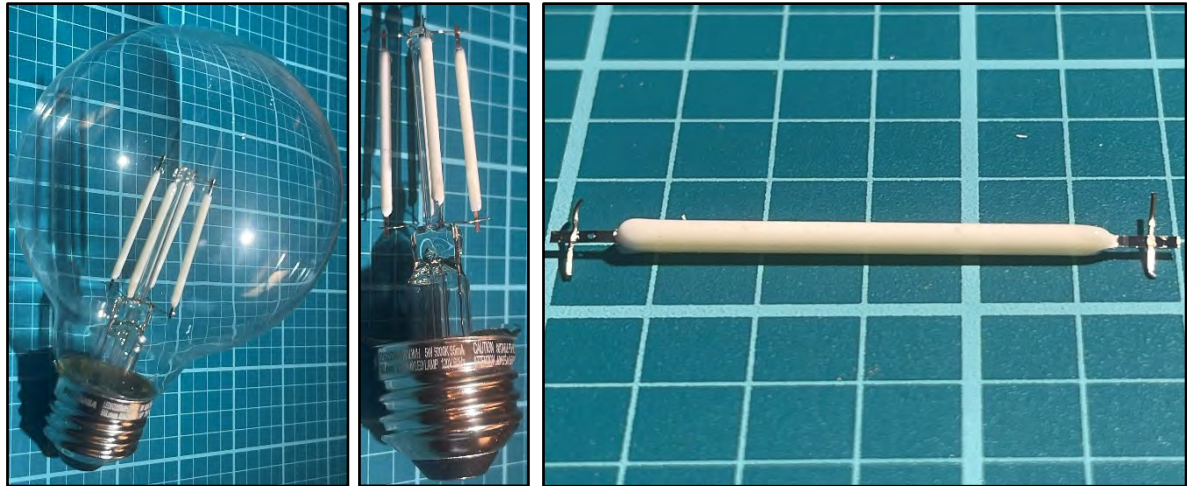
Claim 1	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

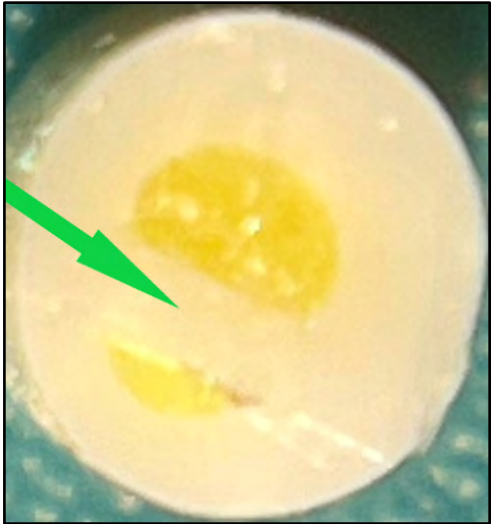
Claim 1	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of excitation light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the light emitting device is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

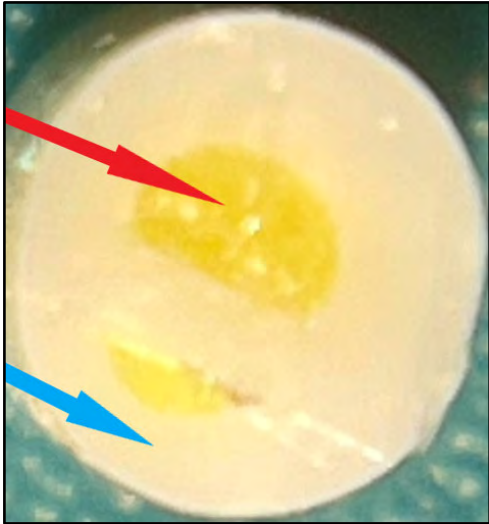
Claim 2	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer and the light diffusing layer are in direct contact with each other.	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. As shown in the image below, the yellow wavelength conversion material indicated by the red arrow and the white light diffusing material indicated by the blue arrow are in direct contact with each other. 

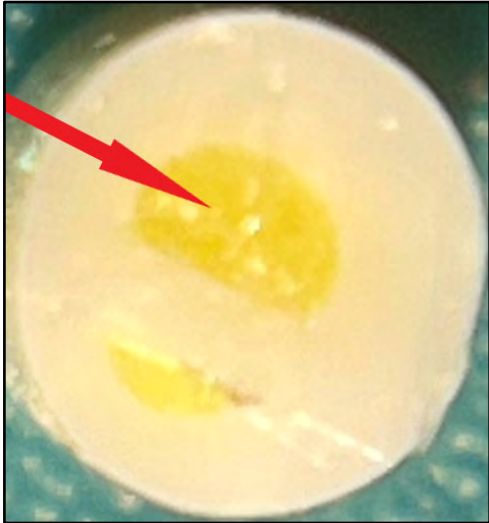
Claim 3	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
The component of claim 1, wherein the wavelength conversion layer comprises a mixture of the at least one phosphor material and a light transmissive binder and the light diffusing layer comprises a mixture of the light scatter-ing material and the light transmissive binder.	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

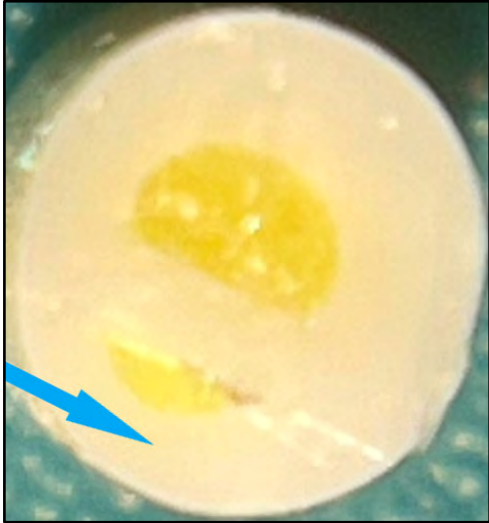
Claim 16	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
The component of claim 1 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

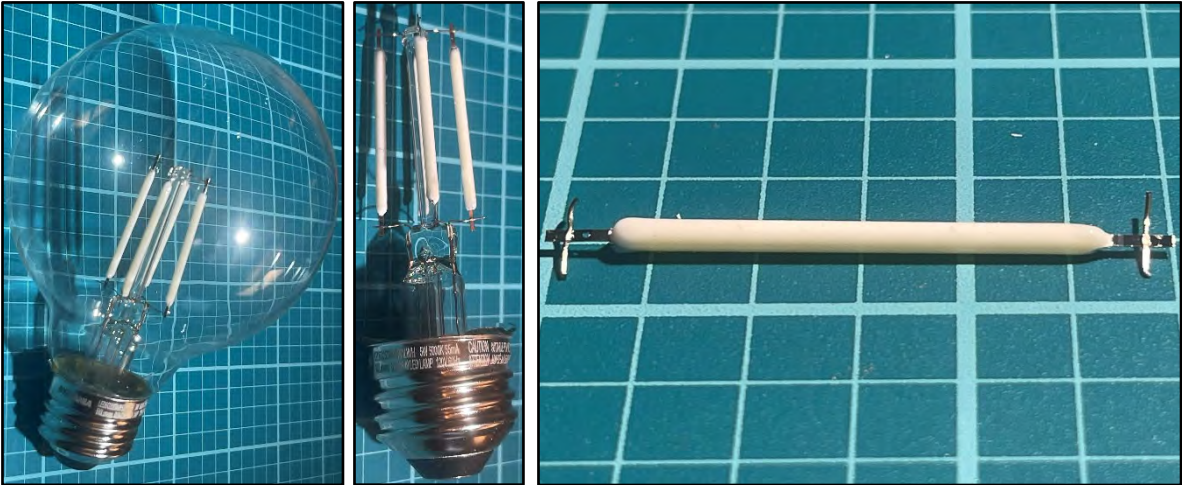
Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
A light emitting device, comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184, which is a light bulb that utilizes light emitting devices. The images below depict the light bulb and its filaments.  The images show a Sylvania 60W G25 5000K LED light bulb. The left image shows the bulb from the outside, highlighting its G25 base and the internal LED filaments. The middle image shows the bulb from the inside, highlighting the LED filaments. The right image shows a close-up of the LED filaments, which are long and thin, and are mounted on a metal base.

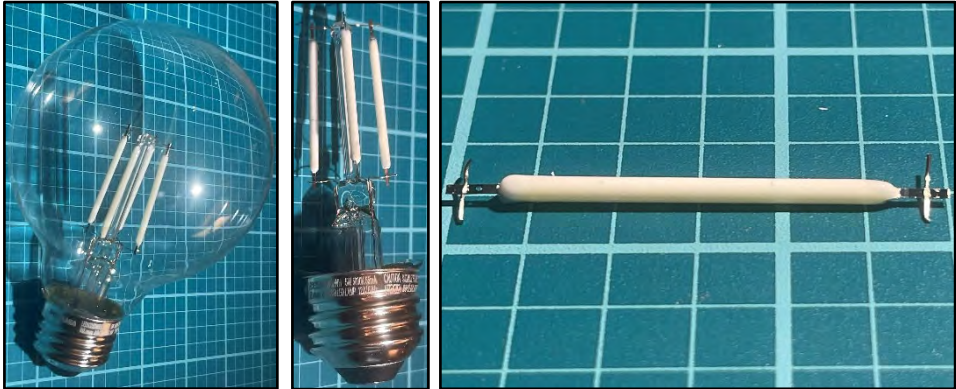
Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
at least one solid-state light emitter operable to generate excitation light; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The white central portion indicated by the green arrow in the image below comprises of a string of series-connected LEDs, which are solid-state light emitters operable to generate excitation light. On information and belief, the LEDs emit blue light greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

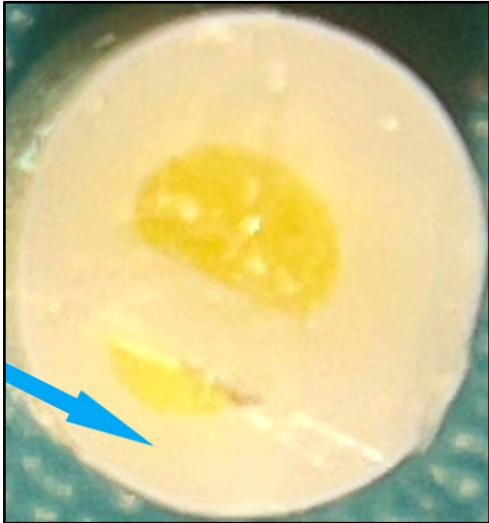
Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
a wavelength conversion component comprising:	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The yellow and white material indicated by the red and blue arrows in the image below comprise a wavelength conversion component. 

Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
a wavelength conversion layer excitable by the excitation light, wherein the wavelength conversion layer comprises particles of at least one photoluminescence material; and	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The yellow material shown in the image and indicated by the red arrow comprises a wavelength conversion layer excitable by the excitation light comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone. 

Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
a light diffusing layer comprising particles of a light scattering material,	The image below provides a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

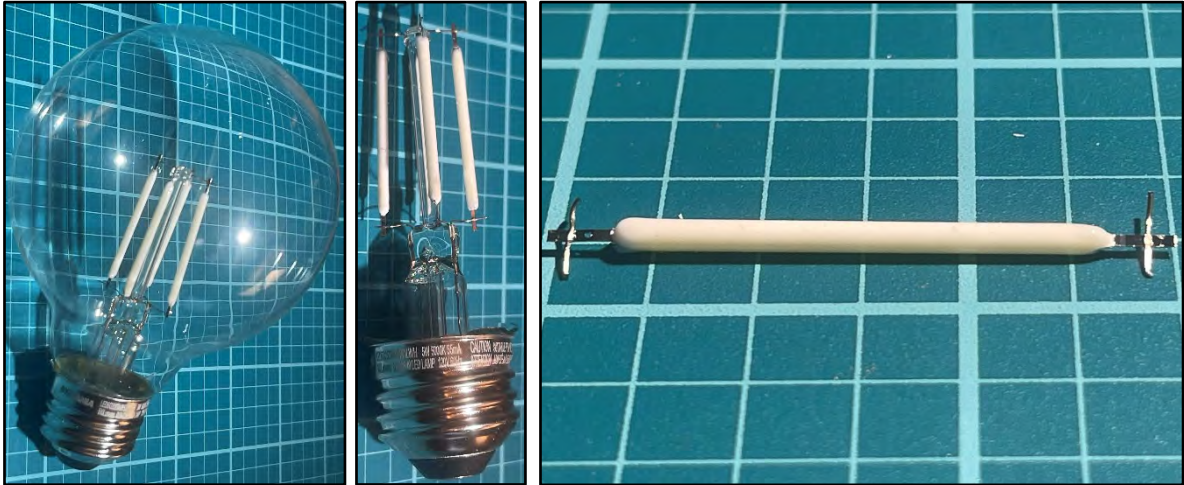
Claim 19	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
wherein the light diffusing layer improves an OFF state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the at least one solid-state light emitter is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 

Claim 20 The device of claim 19, wherein the light emitting device is selected from the group consisting of: downlights, light bulbs, linear lamps, lanterns, wall lamps, pendant lamps, chandeliers, recessed lights, track lights, accent lights, stage lighting, movie lighting, street lights, flood lights, beacon lights, security lights, traffic lights, headlamps, taillights, and signs.	Infringement by Ledvance (LED5G25DIM850FILWHRP20184) The image below depicts a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb. 
Claim 21 The device of claim 19 in which the light scattering material within the light diffusing layer corresponds to an average particle size that improves the OFF state white appearance of the wavelength conversion component.	Infringement by Ledvance (LED5G25DIM850FILWHRP20184) The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 

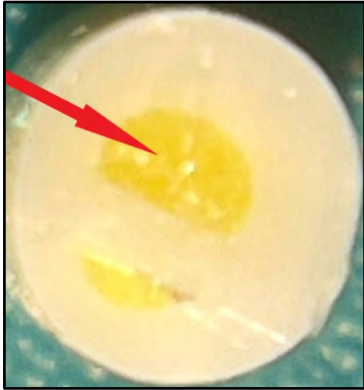
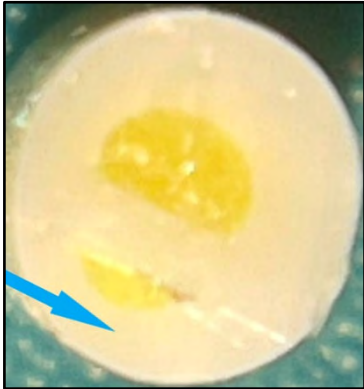
Claim 21	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
	The cross-sectional view of the LED filament demonstrates that the OFF state white appearance is a result of the white outer light diffusing layer. The white outer layer of the LED filament indicated by the blue arrow in the image below comprises a light diffusing layer composed of particles of light scattering material of an average particle size that result in the LED filament having a white appearance in the OFF state. 

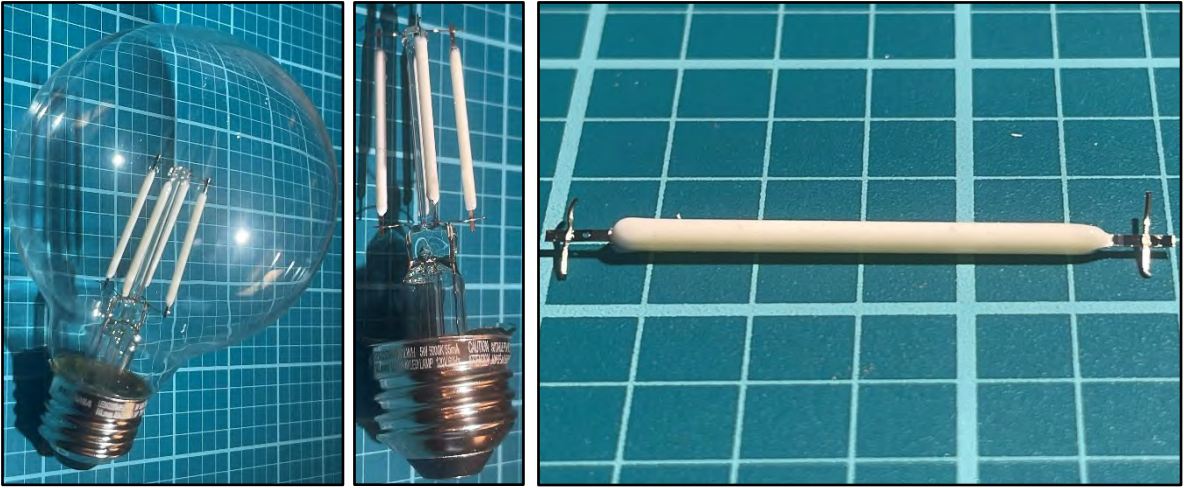
Claim 25	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
The device of claim 19 in which the wavelength conversion layer and the light diffusing layer comprises planar shapes.	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a circular planar shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
A light bulb comprising:	The preamble does not serve as a limitation/element as it is not necessary to breathe life and meaning into the claim. Nevertheless, Ledvance sells, offers to sell, makes, uses, and/or imports into the United States, the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb. The images below depict the light bulb. 
a connector base configured to be inserted in a socket to form an electrical connection for the light bulb;	The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb. The connector base shown in the image and indicated by the black arrow is configured to be inserted in a socket to form an electrical connection for the light bulb. 

Claim 29	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
	The image below depicts a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb electrically connected to a lamp. As shown in the image below, the light bulb is connected through the connector base and forms an electric connection that allows the light bulb to be turned on. 
a body comprising one or more solid-state light emitters;	The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb and its filaments. The LED filaments are solid-state light emitters that compose the body of the light bulb. 

Claim 29	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
a wavelength conversion component having a three dimensional shape that is configured to enclose the one or more solid-state light emitters and to in part at least define a light mixing chamber,	The images below depict a single LED filament and a cross-sectional view of a portion of that LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. As shown in the image below, the wavelength conversion layer and the light diffusion layer comprise a three-dimensional circular shape that extends throughout the LED to create a cylindrical filament.

Claim 29	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
wherein the wavelength conversion component comprises a wavelength conversion layer comprising particles of at least one photoluminescence material and a light diffusing layer comprising particles of a light scattering material,	The images below provide a cross-sectional view of a portion of the LED filament from the Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184. The yellow material shown in the image below and indicated by the red arrow comprises a wavelength conversion layer comprising particles of at least one photoluminescence material. On information and belief, the wavelength conversion layer comprises a phosphor that converts blue light to white light, mixed in a carrier material such as silicone.  The white material shown in the image and indicated by the blue arrow comprises a light diffusing layer comprising particles of light scattering material. On information and belief, the light diffusing layer comprises a material such as titanium dioxide mixed in a carrier material such as silicone. 

Claim 29	Infringement by Ledvance (LED5G25DIM850FILWHRP20184)
wherein the light diffusing layer improves an off-state white appearance of the wavelength conversion component;	The images below depict a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb and its filaments in the off-state. The off-state appearance of the LED filament in the images is white rather than the yellow to orange appearance of the phosphor conversion material of typical LED filaments. 
wherein the wavelength conversion component is configured such that in operation a portion of light comprising blue light having a wavelength of greater than or equal to 440 nm generated by the one or more solid-state light emitters is emitted through the wavelength conversion component to contribute to a final visible emission product.	The image below depicts a Sylvania 60W G25 5000K LED Model No. LED5G25DIM850FILWHRP20184 light bulb in the on-state. On information and belief, when the LED filaments are powered, the LEDs of the LED filaments emit blue light having a wavelength of greater than or equal to 440 nm, that is converted by the wavelength conversion layer to white light, and then the white light passes through and is scattered by the light diffusing layer to contribute to a final visible emission product as shown in the image below. 