

Term No.	Term	Claims	Proposed Construction ¹	Intrinsic Evidence	Extrinsic Evidence
1	“elastomeric material”	’741 Patent – claims 1, 11, and 19 ’027 Patent – claims 1, 11, 15, and 19	rubbery material	“Elastomeric materials useful for forming the intermediate layer include and are not limited to gum rubber, vulcanized natural rubber SBR, nitrile rubber, polyurethane, or comparable materials having properties of high elongation, conformity and chemical resistance to notable mold release agents common in the vulcanized rubber of pneumatic tires, and combinations thereof.” (col. 6:38-45)	dictionary definition: “any rubbery material composed of long chainlike molecules, or polymers, that are capable of recovering their original shape after being stretched to great extents” ² See also ’421 Patent: claims 9 and 32 “Examples of materials useful for forming the housing 12 include, and are not limited to, those materials commonly used for TPMS housings such as rigid

¹ Cerebrum has objected to Revvo’s list of 42 “prioritized” terms and Revvo’s list of 46 “non-prioritized” terms as an unreasonable number of claim terms for construction. Until such time as the Court rules on the objection, Cerebrum reserves all rights with regard to the 42 “prioritized” terms on Revvo’s list and the 46 “non-prioritized” terms on Revvo’s list, including to offer claim constructions and supporting evidence at a later time, including in response to Revvo’s proposed constructions.

² <https://www.britannica.com/science/elastomer>

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					plastics as well as elastomeric materials commonly found in the tire and rubber industry like butyl rubber, EPDM rubber, natural rubber, or the like.” (col. 13:40-45)
2	“vulcanized to[gether]”	'741 Patent – claims 1, 11, and 19	cross-linked to[gether], whether chemically, by heat, by pressure, or otherwise	“the outermost aesthetic layer which is vulcanized for a permanent bond along underside surface '28' to a shock absorbing barrier layer '24' layered with an adhesive layer '26'” (col. 1:58-61) “Further, in the example illustrated in FIG. 1, it is desired that the intermediate layer 24 be formed	dictionary definition or the like: “A process of chemically producing network junctures by the insertion of crosslinks between polymer chains.”³ Expert declaration: Cerebrum may offer a declaration from expert Mark Mineur concerning the understanding of a

³ <https://www.sciencedirect.com/topics/materials-science/vulcanization>; see also <https://www.sciencedirect.com/topics/earth-and-planetary-sciences/vulcanized-elastomer>

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				from a material capable of being chemically bonded to or vulcanized with the display layer 22.” (col. 6:26-30) “It is desired that the adhesive layer 26 be formed from a material capable of forming a chemically, heat-activated or otherwise permanent bonded attachment with the vulcanized rubber article” (col. 6:57-60) “In such example, pressure may also be applied by suitable machinery as the adhesive material is curing to ensure a desired bonding occurs between the vulcanized rubber article and the display	person of ordinary skill in the art (“POSITA”) regarding the extent or degree of vulcanization suitable for a variety of contexts, including at boundaries, within a compound, and for a tire (including the various compounds and boundaries of a tire), for achieving a variety of results, including intended performance or functionality

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				assembly.” (col. 15:6-9) File history, e.g.: “Further, Applicants have amended independent claims 1, 11 and 18 to specifically recite the feature that the one or more display layers are vulcanized to the intermediate layer before attachment. DeTrano discloses that its three layers making up its applique may be procured by heat and/or chemical curing or high energy radiation, but fails to expressly disclose vulcanization.” (Response to Non-Final Office Action at 9, dated July 5, 2018) U.S. Patent No.	

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Cerebrum v. Revvo, Case No. 1:24-cv-00245-JLH-SRF (D. Del.)

Cerebrum's Claim Construction Chart and Evidence (pursuant to D.I. 38): Term Nos. 1-7 Proposed by Cerebrum; Term Nos. 8-50 proposed by Revvo.

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				5,300,164 (DeTrano), e.g., at Table I, Table II, and Table III	

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3	cavity	'741 Patent – claims 7, 8, and 9 '027 Patent – claims 7, 8, 9, 16, 17, 18, 19, and 20	a space for accommodating an element or object	“FIG. 7 illustrates a sixth example display assembly 70 as disclosed herein comprising, moving from a surface portion of the display assembly 70 to a portion attached to a vulcanized article, a display layer 72, an intermediate adhesive layer 74, an intermediate barrier layer 76, and an adhesive layer 77, wherein a cavity 78 is disposed within the assembly for the purpose of accommodating an element or object 79 therein.” (col. 11:23-30)	See also '421 Patent: claims 1, 5, 8, 28, 31, 41, and 43 “In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that contact the electrical sensor device to retain its position therein, and wherein an open space exists above and below the electrical sensor device within the internal cavity.” (col. 4:20-25) “In an example, the electrical sensor device may be encapsulated by the inner cavity of the housing during a

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					process of making the housing that operates to retain the position of the electrical sensor device within the housing. In an example, the housing includes an opening through the outside surface to the internal cavity, and further includes a filter that is positioned to filter air passing into the internal cavity before reaching the electrical sensor device. (col. 4:25-33) “An example method for using pressure assemblies and sensing systems as disclosed herein comprises installing the electrical sensor device within the housing internal cavity such that the electrical sensor

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					device placement is mechanically fixed therein and the electrical sensor device is surrounded by the housing, and attaching the housing to the retaining member.” (col. 6:49-55) “Generally, sensor assemblies as disclosed herein are configured to both accommodate attachment of a desired electrical sensor device within an internal cavity, and facilitate attachment of the sensor assembly with a surface of a dynamic object. In an example, the dynamic object may be a vulcanized rubber article such as a vehicle tire in

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					accordance with a specific application method developed to ensure durability and functionality throughout the lifecycle of use for the vulcanized rubber article.” (col. 8:62-9:6) “While the surface feature 44 in this example is provided in the form of a recessed groove that extends completely around the wall structure inside surface 42, it is to be understood that the surface feature 44 may be configured differently for the purpose of functioning of securing fitment or attachment of the electrical sensor device 40 within the housing internal cavity 38 so

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					the electrical sensor device 40 does not move therein.” (col. 10:33-40) “In this example, a first material element 94 and a second material element 96 have already been formed in a specific shape so as to create the internal cavity 38 when the two layers are affixed together either mechanically or chemically after the electrical sensor device 40 has been disposed therein.” (col. 13:22-27) “In this example, the housing internal cavity 38 is formed during the process of making the housing 90 by

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					displacement by the electrical sensor device 40, and such encapsulation operates to fixedly retain placement of the electrical sensor device 40 therein.” (col. 12:66-13:3) “In such example, the housing first material element 94 and second material element 96 comprise internal cavity profiles which are complimentary to the components of the electrical sensor device 40, which after assembly provides the necessary stabilization to the battery, sensors, or similar components.” (col. 14:6-11) “In this example, the housing top cover 22

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					includes a cavity 124 that is downstream from the opening 98 and that includes a moisture barrier 100 disposed therein.” (col. 14:47-49)
4 and 5	“barrier material composition” / “material composition that acts as a barrier”	’027 Patent – claims 1, 11, 15, and 19	material composition that has properties of shock absorbance, elastomeric expansion and/or contraction	“In an example, the intermediate or barrier layer 24 is formed from a material capable of providing properties of shock absorbance, elastomeric expansion and/or contraction properties compatible with the vulcanized rubber article that the display assembly is to be attached therewith, and a desired degree of conformity between the adjacent surfaces of the display layer and the outer surface of a vulcanized rubber article (so as to maximize the surface	

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				contact area between the display assemble and vulcanized rubber article).” (col. 6:19-28) “It is also desired that the intermediate or barrier layer 24 be formed from a material capable of acting as a barrier to minimize or prevent the migration of any unwanted constituents of the adhesive layer 26 and/or the vulcanized rubber article may otherwise operate to damage or degrade the design image and/or feature provided by the display layer 22.” (col. 6:33-39) “The presence of such an intermediate adhesive layer 50 in this second example	

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				operates to provide a greater degree of adhesion between the display layer 48 and the intermediate layer 44, and may also operate to provide and extra degree of barrier protection against the migration of any unwanted constituents from the intermediate layer 44, adhesive layer 46, and/or the vulcanized rubber article that the display assembly is attached to.” (col. 8:62-9:3) “The intermediate adhesive layer 50 is formed from a material capable of forming a bonded attachment between and underside surface of the display layer 48 and a surface of the intermediate barrier	

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				layer 44, and optionally acting as a barrier to minimize or prevent the migration of any unwanted constituents into the display layer 48.” (col. 9:9-16) File history, e.g.: “Claims 1, 11, and 19 have been rejected under 35 U.S.C. §102 as being allegedly anticipated by DeTrano (US 5,300,164). Applicant has amended independent claims 1, 11, and 19 to recite the feature that the outer layer of the assembly comprises a barrier material composition (to mitigate the unwanted migration of material from the	

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				vulcanized rubber article or tire). Applicant submits that DeTrano fails to disclose a decorative applique construction comprising the feature not recited in the above-noted independent claims, and as such fails to properly anticipate the subject matter of such claims. In view thereof, Applicant submits that its assembly as recited in amended independent claims 1, 11 and 19 is properly novel over DeTrano, and respectfully requests that the rejection of such claims under 35 U.S.C. § 102 based on DeTrano be reconsidered and withdrawn.” (Response to Non-	

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				Final Office Action at 6, dated March 1, 2021)	

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6	"unfilled open space" / "open space"	'421 Patent – claims 1 and 31	space without filling agents or materials	"Sensor assembly housings 12 as disclosed herein are constructed to provide the inside or internal cavity 38 configured in a manner to fixedly retain and house the electrical sensor device 40 therein without the need for filling agents or materials." (col. 12:41-46) "A feature of sensor assemblies as disclosed herein is that they do not use or require the use of any such coating or filling agents or materials for any fixturing of the electrical sensor device 40 within the internal cavity 38." (col. 13:60-64)	dictionary definition: "not filled"⁴ Expert declaration: Cerebrum may offer a declaration from expert Dr. Leland "Chip" Spangler concerning the understanding of a POSITA regarding the deliberate design choices of where to put epoxy or potting material on certain components of a printed circuit board (PCB)

⁴ <https://www.merriam-webster.com/dictionary/unfilled>

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				“FIG. 10 illustrates an example sensor assembly housing 120 that includes a top cover 22 configured to include an opening 98 therethrough to permit air from the external environment, e.g., the air within a pneumatic tire when the sensor assembly is disposed within a vehicle tire, to access the internal cavity 38 and the electrical sensor device 40 disposed therein. In this example, the housing top cover 22 includes a cavity 124 that is downstream from the opening 98 and that includes a moisture barrier 100 disposed therein. In this example, the cavity 124 and moisture barrier 100 are positioned adjacent a sensor 126 of the	

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				electrical sensor device 40 that is configured to sense the pressure of the air. As noted above, configured in this manner, only filtered air reaches the electrical sensor device 40 and sensor 126.” (col. 14:41-54) File history, e.g.: “Also, Saito discloses that the sensor components disposed in the accommodation structure (22±) are filled with the resin sealing portion (22fb), which is clearly illustrated in FIG. 3, to protect the sensor components, i.e., the sensor components are encapsulated within the accommodation structure by the resin sealing portion. Accordingly, Saito fails to expressly	

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				or implicitly disclose the feature that the housing internal cavity includes an unfilled open space above or below the electrical sensor device disposed inside the internal cavity as presently recited in Applicant's amended independent claim 1.” (Response to Non-Final Office Action at 13, dated May 23, 2023) U.S. publication 2019/0184773 (Saito), e.g.: Fig. 3 “[0045] In the present embodiment, the accommodation structure 22/ is configured to include the housing 22/a and the resin sealing portion 22jb. The housing 22/a is	

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				formed of the hollow member that provides the accommodation chamber inside, and the housing 22/a is filled with the resin sealing portion 22/b to protect each component of the tire-mounted sensor 2. In other words, the accommodation structure 22/ of the present embodiment accommodates the respective components of the tire-mounted sensor 2 so as to be covered with the resin sealing portion 22/b while being covered with the housing 22/a.”	
7	“surface feature[s]”	'421 Patent – claims 5, 28, and 43	structure[s] on or of a surface	“In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that	dictionary definitions: “of, located on, or designed for use at the surface of

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				contact the electrical sensor device to retain its position therein, and wherein an open space exists above and below the electrical sensor device within the internal cavity.” (col. 4:20-25) “In an example, the wall structure 34 includes an inside wall surface 42 comprising a surface feature 44 that is specially configured to accommodate and retain placement of the electrical sensor device 40 therein. In an example, the surface feature 44 is provide in the form of a slot or recessed groove that extends laterally along	something”⁵ “the structure, form, or appearance especially of a person”⁶ See also: “These words are often used together”⁷ Expert declaration: Cerebrum may offer a declaration from expert Dr. Leland “Chip” Spangler concerning the understanding of a POSITA regarding the deliberate design choices of

⁵ <https://www.merriam-webster.com/dictionary/surface>

⁶ <https://www.merriam-webster.com/dictionary/feature>

⁷ <https://dictionary.cambridge.org/us/example/english/surface-feature>

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				the wall structure inside surface 42 and that is configured to accommodate placement of a peripheral edge 46 of a component of the electrical sensor device 40, e.g., a printed circuit board or the like, therein to thereby ensure secure fitment of the electrical sensor device 40 within the housing internal cavity 38.” (col. 10:21-32) “While the surface feature 44 in this example is provided in the form of a recessed groove that extends completely around the wall structure inside surface 42, it is to be understood that the surface feature 44 may be configured differently for the purpose of securing fitment or	how to secure the PCB in the housing

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				attachment of the electrical sensor device 40 within the housing internal cavity 38 so the electrical sensor device 40 does not move therein. For example, rather than a recessed groove, the surface feature can be provided in the form ribs or tabs or the like that extend radially outwardly a distance from the wall structure inside surface 42 and that are positioned and configured to engage the electrical sensor device 40 peripheral edge 46 to secure placement of the electrical sensor device 40 within the housing internal cavity 38.” (col. 10:33-45) “A further feature of the sensor assembly housings 12 as disclosed	

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				herein is the construction of the internal cavity 38 and the use of surface features 44 to mechanically fix and retain the placement position of the electrical sensor device 40 therein.” (col. 13:52-56) File history, e.g.: “Saito discloses a tire-mounted sensor comprising an accommodation structure (22f - with reference to FIG. 2) to accommodate the respective components of the sensor so as to be covered with the resin sealing portion (22fb). Paragraph [0046] recites the housing 22fa configures an accommodation chamber that accommodates the different components of	

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				the sensor. While Saito discloses the feature of an accommodation structure to accommodate the different components of the sensor, Saito fails to expressly or implicitly disclose the that the housing comprises one or more surface features configured to contact the electrical sensor device to prevent movement of the electrical sensor device within the housing internal cavity as presently recited in Applicant's amended independent claim 28.” (Response to Non-Final Office Action at 13, dated May 23, 2023) U.S. publication 2019/0184773 (Saito), e.g.: Fig. 2	

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				“[0045] In the present embodiment, the accommodation structure 22/ is configured to include the housing 22/a and the resin sealing portion 22jb. The housing 22/a is formed of the hollow member that provides the accommodation chamber inside, and the housing 22/a is filled with the resin sealing portion 22/b to protect each component of the tire-mounted sensor 2. In other words, the accommodation structure 22/ of the present embodiment accommodates the respective components of the tire-mounted sensor 2 so as to be covered with the resin sealing portion 22/b while being covered with	

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				the housing 22/a. [0046] Specifically, the housing 22/a configures an accommodation chamber that accommodates the circuit board 22b on which the antenna 22d is mounted in addition to the sensor chip 22a and the peripheral elements (not shown), and the battery 22c disposed on the other surface of the circuit board 22b. In the present embodiment, the housing 22/a is configured to include the first housing 22/aa and the second housing 22/ab.”	
8	“element”	’741 Patent – claim 8	plain and ordinary meaning; no construction necessary	“The display assembly may comprise a cavity disposed therein that may include an element disposed therein.” (col. 2:20-22)	

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				“FIG. 7 is a cross section side view of a fifth example display assembly as disclosed herein comprising a multiple layer assembly '70' with cavity '78' having an embedded functional element '79' within the construction of the assembly, wherein the assembly '70' comprises a double display layer '72' with aesthetic layers 80 and 82 which also serve as perimeter layers to the cavity '78'...” (col. 3:41-47) “FIG. 7 illustrates a sixth example display assembly 70 as disclosed herein comprising, moving from a surface portion of the display assembly 70 to a portion attached to a vulcanized	

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				article, a display layer 72, an intermediate adhesive layer 74, an intermediate barrier layer 76, and an adhesive layer 77, wherein a cavity 78 is disposed within the assembly for the purpose of accommodating an element or object 79 therein. Like the example illustrated in FIG. 5 and described above, the display layer 72 in this example is made up of two or more different display layers, e.g., a first or upper display layer 80 and a second or lower display layer 82. A feature of this particular embodiment is the presence of a cavity 78 that is formed in the display assembly 70 for the purpose of accommodating	

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				placement of an element or object 79 therein.” (col. 11:23-38) “In an example, the element or object disposed within the cavity and affixed to the vulcanized article via the display assembly as disclosed herein may have compatibility programmable functionality, such as RFID read/write capability, circuit board/programmable system which can control a device such as a light element like an LED in a predetermined manner. Such functionality may be innate with the element disposed in the cavity or may be controlled by a separate component whether connected by wire or wirelessly, e.g.,	

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				blue-tooth enabled, radio controlled or other frequency connection. In an example, the cavity may be configured within the display assembly to accommodate a light element there, such as one or more LEDs therein, so that the display assembly emits light that can be seen by a person looking at the vulcanized article. In an example, the light element may be controlled to provide a desired illumination.” (col. 13:5-21)	
9	“a barrier to material migrating from the vulcanized rubber tire”	'027 Patent – claim 19	See terms 4 and 5	See terms 4 and 5 See also: “In an example, display assemblies as disclosed herein may comprise one or more elastomeric display layers providing	

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				the desired display image or function, an intermediate or barrier layer formed of an elastomeric material, and a layer of curable adhesive that is formed from a material capable of forming a strong adhesion bond with a surface of the vulcanized article.” (col. 4:3-9) “In an example, the intermediate or barrier layer 24 is formed from a material capable of providing properties of shock absorbance, elastomeric expansion and/or contraction properties compatible with the vulcanized rubber article that the display assembly is to be attached therewith, and a desired degree of conformity between the adjacent surfaces of the	

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				display layer and the outer surface of a vulcanized rubber article (so as to maximize the surface contact area between the display assemble and vulcanized rubber article). Further, in the example illustrated in FIG. 1, it is desired that the intermediate layer 24 be formed from a material capable of being chemically bonded to or vulcanized with the display layer 22.” (col. 6:19-32) “It is also desired that the intermediate or barrier layer 24 be formed from a material capable of acting as a barrier to minimize or prevent the migration of any unwanted constituents of the adhesive layer 26 and/or the vulcanized rubber	

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				article may otherwise operate to damage or degrade the design image and/or feature provided by the display layer 22.” (col. 6:33-39) “The presence of such an intermediate adhesive layer 50 in this second example operates to provide a greater degree of 65 adhesion between the display layer 48 and the intermediate layer 44, and may also operate to provide and extra degree of barrier protection against the migration of any unwanted constituents from the intermediate layer 44, adhesive layer 46, and/or the vulcanized rubber article that the display assembly is attached to.” (col. 8:62-9:3)	
10	“layer(s)”	'741 Patent – claim 1	plain and ordinary	"Display assemblies	

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			meaning; no construction necessary	comprise one or more display layers of elastomeric material configured to provide a desired display indicia, an intermediate layer formed from an elastomeric material different from that of the one or more display layers, and an adhesive layer, wherein the intermediate layer is interposed between the adhesive layer and the one or more display layers." (col. 1:67-col.2:7)	
11	"display layer(s)"/"one or more display layers"	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term # 10; See also: "In an example, each such display assembly 10 comprises one or more display layers that provide an outer surface of the display assembly that operates to visually	

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				provide the display image or indicia or function.” (col. 4: 54-57) “In this embodiment, each display layer may be sized, shaped, patterned, colored and/or textured differently from the other to provide a desired display indicia when combined together.” (col. 8:1-4)	
12	“(an) intermediate layer”	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term #10; See also: “An intermediate adhesive layer may be interposed between one or more display layers and the intermediate layer.” (col. 2:16-18) “It is also desired that the intermediate or barrier layer 24 be formed from a material capable of acting as a	

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				barrier to minimize or prevent the migration of any unwanted constituents of the adhesive layer 26 and/or the vulcanized rubber article may otherwise operate to damage or degrade the design image and/or feature provided by the display layer 22.” (col. 6: 31-37) “The exact thickness of the intermediate layer is understood to vary depending on the particular type of material selected for the intermediate layer as well as the particular end-use application.” (col. 6:49-52)	
13	“(an) adhesive layer”	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“In an example, the adhesive layer is formed from a material forming a chemical bonding between the display assembly and the surface	

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				of the vulcanized rubber article.” (col. 2:8-9) “Display assemblies as disclosed herein may be attached to the surface of a vulcanized article by applying an adhesive material to form the adhesive layer, wherein the adhesive layer may be applied to one or both of the surface of the vulcanized article and an underlying surface of the display assembly, and placing a display assembly into contact with the surface of the vulcanized rubber article to form a bond between the display assembly and surface.” (col. 2: 25-29) “The exact thickness of the adhesive layer is understood to vary depending on the particular type of	

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				material selected for the adhesive layer as well as the particular end-use application.” (col. 7:38-41)	
14	“(an) outer layer”	’027 Patent – claim 1	plain and ordinary meaning; no construction necessary	“Further, display assemblies as disclosed herein may optionally comprise an overcoat or transparent protective layer disposed over the display layer.” (col. 4:13-16)	
15	“display indicia”/“(a) visual feature”	’741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“Display assemblies as disclosed herein are specially constructed for attachment with a vulcanized rubber article to provide a desired display indicia, which may be a visual display or a feature that is visually or otherwise detectable.” (col. 1:60-63) “The display assembly	Indicia, pl. n. “distinctive marks : indications” ⁸

⁸ <https://www.merriam-webster.com/dictionary/indicia>

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				may comprise two display layers, wherein one display layer may be disposed beneath another display layer, and wherein the display layers may each be of a different color and/or be patterned or otherwise configured so as to provide a desired display indicia by interaction of the two.” (col. 2:11-16) “The display assembly 10 is provided in a desired form or configuration depending on the desired display indicia or function intended, which can be in the form of a letter, numeral, symbol, design, pattern, logo, insignia, or the like that may be continuous or non-continuous in form depending on the particular end-use	

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				application.” (col. 4:36-41) “In this embodiment, each display layer may be sized, shaped, patterned, colored and/or textured differently from the other to provide a desired display indicia when combined together.” (col. 8:1-4) “For example, the display assembly may comprise a desired display indicia provided in the form of an ink symbol, letter, or other marking feature or object that is disposed on or into the display layer, which symbol, letter, or other marking feature or object may be a brand, logo or the like.” (col. 12: 39-44)	
16	“different from”	'741 Patent – claim 1	plain and ordinary meaning; no	"Display assemblies comprise one or more	dictionary

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			construction necessary	display layers of elastomeric material configured to provide a desired display indicia, an intermediate layer formed from an elastomeric material different from that of the one or more display layers, and an adhesive layer, wherein the intermediate layer is interposed between the adhesive layer and the one or more display layers.” (col. 1:67-col.2:7) “In an example, the intermediate layer is formed from an elastomeric material.” (col. 6:37-38) “The one or more display layers may be formed from an	definition: ⁹ “partly or totally unlike in nature, form, or quality” “not the same”

⁹ <https://www.merriam-webster.com/dictionary/different>

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				elastomeric material...” (col. 4:57-58) “The exact thickness of the intermediate 50 layer is understood to vary depending on the particular type of material selected for the intermediate layer as well as the particular end-use application.” (col. 6:49-52) “In an example, depending on the particular size and configuration of the display assembly 20, the display layer 22 may have a thickness greater than about 0.01 mm, of from about 0.01 to 10 mm, 0.05 to 5 mm, 0.1 to 3 mm, and in a particular example about 0.4 mm.” (col. 6:4-8)	
17	“vulcanized”/“vulcanized	’741 Patent – claim 1	Compare term #2	See term #2,	See term #2

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	rubber tire”			See also: “In an example, the display assembly described above and illustrated in FIG. 4 may be made by joining the display layer, the intermediate adhesive layer, and intermediate layer together and then subjecting the same to vulcanizing conditions of elevated temperature and/or pressure, after which time the adhesive layer may be combined therewith, e.g., at the point of applying the display assembly.” (col. 9: 33-39) “FIG. 3 is a cross-sectional side view of a second example display assembly as disclosed herein, wherein a double 65 display layer	extrinsic evidence above

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				embodiment comprises a four-layer assembly '30' having a first display layer '31' as the outermost aesthetic display layer which is vulcanized for a permanent bond to a second display layer '33' which is further vulcanized to a shock absorbing barrier layer '36' layered with an adhesive layer '38' for permanently bonding to the vulcanized rubber article;" (col. 2:63-col. 3:4)	
18	"the one or more display layers and the intermediate layer are vulcanized together"/"the intermediate layer is vulcanized to at least one of the one or more display layers"	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term # 2, term # 17 See also: "In an example, the display assembly described above and illustrated in FIG. 3 may be made by joining the display layers, and intermediate layer together and then	See term # 2 and #17

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				subjecting the same to vulcanizing conditions of elevated temperature and/or pressure, after which time the adhesive layer may be combined therewith, e.g., at the point of applying the display assembly.” (col. 8:43-49)	
19	“before attachment with the vulcanized rubber article”/“before attachment to the vulcanized rubber article”	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“In an example, the display assembly described above and illustrated in FIG. 3 may be made by joining the display layers, and intermediate layer together and then subjecting the same to vulcanizing conditions of elevated temperature and/or pressure, after which time the adhesive layer may be combined therewith, e.g., at the point of applying the display assembly.” (col. 8:43-49)	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				“In an example, the display assembly described above and illustrated in FIG. 4 may be made by joining the display layer, the intermediate adhesive layer, and intermediate layer together and then subjecting the same to vulcanizing conditions of elevated temperature and/or pressure, after which time the adhesive layer may be combined therewith, e.g., at the point of applying the display assembly.” (col. 9: 33-39)	
20	“direct contact”	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“In an example, the intermediate layer 24 extends along and covers the entire underside surface 28 of the display layer. Alternatively, the intermediate layer 24 may extend along a partial portion of the	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				display layer underside surface 28..." (col. 6: 11-15) "In an example, the display assembly described above and illustrated in FIG. 2 may be made by joining the display layer and intermediate layer together and then subjecting the same to vulcanizing conditions of elevated temperature and/or pressure..." (col. 7: 45-49) "In an example, the intermediate or barrier layer 24 is attached or adhered along an underside surface 28 of the display layer 22." (col. 6:9-11)	
21	"the intermediate layer is in direct contact with at least one or more of the display layers"/"(an)	'741 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term #20	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
	adhesive layer in direct contact with an underside surface of the intermediate layer”				
22	“a material capable of [forming a chemical bond/chemically bonding] with a surface of the vulcanized rubber article [at ambient temperature conditions]”	’741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“It is desired that the adhesive layer 26 be formed from a material capable of forming a chemically, heat-activated or otherwise permanent bonded attachment with the vulcanized rubber article. In an example, it is desired that the attachment be one having a service life that is the same as the vulcanized rubber article so as to provide a permanent attachment therewith to permit the display assembly to function throughout the service life of the vulcanized article. The particular type of material used for the adhesive layer may vary	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				depending on the particular display assembly application environment..." (col. 6: 57-67) "In an example, embodiment, such as one where the display assembly is being attached to the vulcanized rubber article by a consumer or the like at a point subsequent to the manufacture of the vulcanized rubber article, the adhesive layer may be formed from a material capable of forming the desired chemical bond or being vulcanized thereto ambient temperature conditions, e.g., by chemical reaction instead of being heat activated. Such materials include but are not limited to chemical	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				cements common in retread applications, cyanoacrylate, epoxies, rubber-based acrylic pressure sensitive adhesives and combinations thereof.” (col. 7:19-29)	
23	“an adhesive layer forming a chemical bond . . . wherein the chemical bond is formed at ambient temperature conditions”	’741 Patent – claim 19	plain and ordinary meaning; no construction necessary	See term # 22	
24	“beneath”/“beneath the one or more display layers”/“beneath the outer layer”	’741 Patent – claims 2 and 9 ’027 Patent – claims 1, 9, 18, 20, and 23	plain and ordinary meaning; no construction necessary	“The display assembly may comprise two display layers, wherein one display layer may be disposed beneath another display layer, and wherein the display layers may each be of a different color and/or be patterned or otherwise configured so as to provide a desired display indicia by interaction of the two.” (col. 2:11-16)	
25	“adhesive material”	’741 Patent – claim	plain and ordinary	“Referring to FIGS. SE	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
		11	meaning; no construction necessary	and SF, a desired adhesive material 110, selected from the materials described above, is applied to the treated surface 102 by suitable means, which can be by spray, roll, brush 104 or the like to form a desired thickness of the adhesive layer to receive the display assembly.” (col. 14: 14-19)	
26	“display assembly”/“(an) assembly”/“(the) assembly”	’741 Patent – claim 1	plain and ordinary meaning; no construction necessary	“Display assemblies as disclosed herein are specially constructed for attachment with a vulcanized rubber article to provide a desired display indicia, which may be a visual display or a feature that is visually or otherwise detectable. Display assemblies as disclosed herein generally comprise a composite of different material layers	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				especially engineered to provide a desired display indicia in a manner that will last a long time on the vulcanized rubber article. Display assemblies comprise one or more display layers of elastomeric material configured to provide a desired display indicia, an intermediate layer formed from an elastomeric material different from that of the one or more display layers, and an adhesive layer, wherein the intermediate layer is interposed between the adhesive layer and the one or more display layers.” (col. 1:60-col. 2:4) “Display assemblies as disclosed herein are constructed provide flexibility in the nature	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				of the display indicia itself, and variation in the method of applying the same so as to facilitate application as part of or subsequent to the manufacture of the vulcanized article. Also, display assemblies as disclosed herein are constructed in a manner that facilitates use of the same once applied for a long duration, e.g., the life of the vulcanized article, without sacrificing the integrity and/or aesthetic appearance of the display assembly.” (col. 2: 35-43)	
27	“adhered”/“adhered to an interface surface of the outer layer”	’027 Patent – claim 1	plain and ordinary meaning; no construction necessary	“FIG. 4A is a cross-sectional side view of a third example display assembly as disclosed herein comprising a single display layer with double layer adhesive and barrier four-layer	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				assembly '40' having layer '48' as the outermost aesthetic display layer which is bonded with a shock absorbing barrier layer '44' using a permanent adhesive layer '50' and the barrier layer '44' is layered with another adhesive layer '46' for permanently bonding to the vulcanized rubber article; FIG. 4B is a cross-sectional side view of an alternative third example display assembly as disclosed herein comprising dual display layers with double layer adhesive and barrier-five layer assembly '42' having layer '45' as the outermost display layer which is bonded with a second or intermediate display layer '49' using an intermediate adhesive	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				layer '47' and the intermediate display layer is bonded with a shock absorbing barrier layer '51' that is layered with another adhesive layer '53' for permanently bonding to the vulcanized rubber article;" (col. 3: 7-25)	
28	"(a) barrier material composition"	'027 Patent – claim 1	See terms # 4 and 5	See terms # 4 and 5; See also: "FIG. 2 is a cross-sectional side view of a single display layer embodiment three-layer assembly '20' as disclosed herein, wherein layer '22' is defined as the outermost aesthetic layer which is vulcanized for a permanent bond along underside surface '28' to a shock absorbing barrier layer '24' layered with an adhesive layer '26' for permanently bonding to	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				the vulcanized rubber article;” (col. 2:58-64)	
29	“at least a portion”/“at least a portion of the outer layer adjacent the interface surface”	’027 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term # 14	
30	“bonds”/“bonding”	’027 Patent – claim 1	plain and ordinary meaning; no construction necessary	“In an example, the adhesive layer is formed from a material forming a chemical bonding between the display assembly and the surface of the vulcanized rubber article.” (col. 2:10-12) “Display assemblies as disclosed herein may be attached to the surface of a vulcanized article by applying an adhesive material to form the adhesive layer, wherein the adhesive layer may be applied to one or both of the surface of the vulcanized article and an underlying surface of the display assembly, and placing a display	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				assembly into contact with the surface of the vulcanized rubber article to form a bond between the display assembly and surface.” (col. 2: 25-32)	
31	“(a) housing”	'421 Patent – claim 1	plain and ordinary meaning; no construction necessary	“The sensor assembly may comprise a housing having an outer surface and an internal cavity that is enclosed within the housing. In an example, the housing comprises a top cover, a wall structure, and a base section that define the internal cavity. The top cover, wall structure and base section may be formed from the same or different materials, and one or more of the top cover, wall section, and base section may separate or integral with one another.” (col. 4:5-13)	
32	“internal cavity”	'421 Patent – claim 1	plain and ordinary meaning; no	See term #3 See also;	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
			construction necessary	"The housing 12 includes an internal cavity 38 that is disposed within the top cover 22 and wall structure 34 and that is specially configured to accommodate placement of one or more electrical sensor device 40 therein." (col. 10:17-21)	
33	"enclosed"/"enclosed within the housing"	'421 Patent – claim 1	plain and ordinary meaning; no construction necessary	"The sensor assembly may comprise a housing having an outer surface and an internal cavity that is enclosed within the housing. In an example, the housing comprises a top cover, a wall structure, and a base section that define the internal cavity. The top cover, wall structure and base section may be formed from the same or different materials, and one or more of the top cover, wall section, and	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				base section may separate or integral with one another.” (col. 4:5-13) “An electrical sensor device may be disposed within the housing internal cavity and attached therein to prevent movement of the electrical sensor device within the cavity. In an example, the one of the top cover or base section is removably attached with the wall structure to facilitate installation and/or removal of the electrical sensor device from the internal cavity. In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that contact the electrical	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				sensor device to retain its position therein, and wherein an open space exists above and below the electrical sensor device within the internal cavity. In an example, the electrical sensor device may be encapsulated by the inner cavity of the housing during a process of making the housing that operates to retain the position of the electrical sensor device within the housing. In an example, the housing includes an opening through the outside surface to the internal cavity, and further includes a filter that is positioned to filter air passing into the internal cavity before reaching the electrical sensor device.” (col. 4:14-33)	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				“FIG. 3 illustrates a cut-away view of an example sensor assembly housing 12 ... The housing 12 includes an internal cavity 38 that is disposed within the top cover 22 and wall structure 34 and that is specially configured to accommodate placement of one or more electrical sensor device 40 therein.” (col. 10:13-21) “Further illustrated in FIG. 3 is a housing bottom section 48 shown in an unattached form that is configured for attachment with a bottom portion 50 of the housing wall structure 34 to thereby close off the housing internal cavity 38.” (col. 10:47-51)	
34	“a housing comprising . . . an internal cavity that is enclosed within the	'421 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term #33	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
	housing”				
35	“an electrical sensor device that is disposed within the internal cavity and attached therein to prevent movement of the device within the internal cavity”	’421 Patent – claim 1	plain and ordinary meaning; no construction necessary	“An electrical sensor device may be disposed within the housing internal cavity and attached therein to prevent movement of the electrical sensor device within the cavity. In an example, the one of the top cover or base section is removably attached with the wall structure to facilitate installation and/or removal of the electrical sensor device from the internal cavity. In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that contact the electrical sensor device to retain its position therein, and wherein an open space exists above and below	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				the electrical sensor device within the internal cavity. In an example, the electrical sensor device may be encapsulated by the inner cavity of the housing during a process of making the housing that operates to retain the position of the electrical sensor device within the housing. In an example, the housing includes an opening through the outside surface to the internal cavity, and further includes a filter that is positioned to filter air passing into the internal cavity before reaching the electrical sensor device.” (col. 4:14-33)	
36	“one or more surface features within the cavity that contact the electrical sensor device to retain its	'421 Patent – claim 5	plain and ordinary meaning; no construction necessary	See term #7	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
	position therein”/“(wherein) the electrical sensor device is attached within the internal cavity by one or more surface features within the cavity that contact the electrical sensor device to retain its position therein”/“the electrical sensor device is attached in place within the internal cavity by contact between the electrical sensor device and one or more surface features in the internal cavity”				
37	“an unfilled open space above or below the electrical sensor device”/“(wherein) the internal cavity comprises an unfilled open space above or below the electrical sensor device in the housing”	’421 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term #6	
38	“(a) retaining member”	’421 Patent – claim 1	plain and ordinary meaning; no	“The sensor assembly may comprise a retaining	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
			construction necessary	member configured to accommodate attachment of the housing therewith, wherein the retaining member has an outside surface configured for attachment with the vulcanized rubber article. In an example, the housing and retaining member may be attached together by mechanical or bonding attachment mechanism.” (col. 6:4-10) “In an example, the retaining member is formed from an elastomeric material that mitigates transmission of shock 25 forces from the vulcanized rubber article to the housing when the retaining member is attached to the vulcanized rubber article and the housing is	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				attached to the retaining member.” (col. 6:23-28)	
39	“(wherein) the retaining member has an outside surface configured for attachment (to rotate with the object)”	’421 Patent – claim 1	plain and ordinary meaning; no construction necessary	See term #38; See also: “In an example, the vulcanized rubber article is a vehicle tire, and the retaining member is attached to an inside surface of the vehicle tire. In such an example, the retaining member is attached to an inside surface of the vehicle tire, and such attachment may be provided by the use of an adhesive layer that is interposed between the retaining element and the vehicle tire inside surface. In an alternative example, the retaining member may be vulcanized to the rubber article during a curing manufacturing process of the rubber article. In an example,	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				the housing, electrical sensor device disposed therein, and the retaining member may be removable from the vulcanized rubber article. In an alternative example, the retaining member is attached to an inside surface of a vehicle wheel, and such attachment may be provided by use of an adhesive layer that is interposed between the retaining element and the vehicle wheel inside surface. In an alternative example, the retaining member is attached to a vehicle wheel via the valve-stem location, and such attachment is provided by mechanically fixturing the retaining element to the valve-stem, e.g., at a location within the wheel or outside of the wheel.”	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				(col. 6:23-48)	
40	“cavity that contact the electrical sensor device to retain its position therein”	’421 Patent – claim 5	plain and ordinary meaning; no construction necessary	“In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that contact the electrical sensor device to retain its position therein, and wherein an open space exists above and below the electrical sensor device within the internal cavity.” (col. 4: 20-24)	
41	“(a) wall structure”/“the housing comprises a wall structure”	’421 Patent – claim 3, 4, 8	plain and ordinary meaning; no construction necessary	“The sensor assembly may comprise a housing having an outer surface and an internal cavity that is enclosed within the housing. In an example, the housing comprises a top cover, a wall structure, and a base section that define the internal cavity. The top cover, wall structure and	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				base section may be formed from the same or different materials, and one or more of the top cover, wall section, and base section may separate or integral with one another.” (col. 4:5-13) “In an example, the housing comprises a wall structure that surrounds the internal cavity, and wherein the retaining member comprises a wall structure having an open chamber that is configured to accommodate the housing wall structure therein to provide attachment therewith.” (col. 6:15-19)	
42	“(wherein) the housing includes an opening through the outside surface to the internal cavity”/“(wherein) the	'421 Patent – claim 10	plain and ordinary meaning; no construction necessary	“In an example, the electrical sensor device may be encapsulated by the inner cavity of the housing during a process	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
	housing comprises an opening extending from an outer surface of the housing to the internal cavity”			of making the housing that operates to retain the position of the electrical sensor device within the housing. In an example, the housing includes an opening through the outside surface to the internal cavity, and further includes a filter that is positioned to filter air passing into the internal cavity before reaching the electrical sensor device.” (col. 4:25-33)	
43	“(wherein) the housing . . . further includes a filter that is positioned to filter air passing into the internal cavity before reaching the electrical sensor device”	’421 Patent – claim 10	plain and ordinary meaning; no construction necessary	See term #42; See also: “Therefore, for purposes of protecting the electrical sensor device 40 from such contaminants, it may be desired that a moisture barrier 100 be positioned within the opening 98 or within a cavity or the like that is interposed	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				between the opening 98 and the electrical sensor device 40 for the purpose of permitting only filtered air to reach the electrical sensor device 40. In an example, the moisture barrier 100 may be in the form of a filter element or a molecular sieve, and may or may not be configured to be removable and/or replaceable.” (col. 14:31-40)	
44	“an element attached with the tire that rotates with the tire”	'421 Patent – claim 24	plain and ordinary meaning; no construction necessary	“In an example where the dynamic rotating object is a pneumatic tire, the sensor assembly may be configured for attachment with a wheel that the pneumatic tire is mounted with, or may be configured for attachment with a valve stem that is connected with such wheel. In each such case the wheel and	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				valve stem are dynamic rotating elements that rotate with the pneumatic tire.” (col. 22:49-55) “FIGS. 16 to 18 illustrate example sensor assemblies as disclosed herein that are configured for attachment with a wheel or valve stem that is mounted or otherwise connected to rotate with the dynamic rotating object, e.g., a pneumatic tire.” (col. 23:1-5)	
45	“fixed”/“having a fixed placement”	'421 Patent – claim 28, 40	plain and ordinary meaning; no construction necessary	“An example method for using pressure assemblies and sensing systems as disclosed herein comprises installing the electrical sensor device within the housing internal cavity such that the electrical sensor device placement is mechanically fixed	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				therein and the electrical sensor device is surrounded by the housing, and attaching the housing to the retaining member.” (col. 6:49-55). “Thus, a feature of the housing 12 as disclosed herein is that it is specially configured to include an internal cavity configured to retain the electrical sensor device in an immovable fixed state therein, and to provide a protective surrounding to the electrical sensor device.” (col. 10:55-59) “Sensor assembly housings 12 as disclosed herein are constructed to provide the inside or internal cavity 38 configured in a manner to fixedly retain and	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				house the electrical sensor device 40 therein without the need for filling agents or materials.” (col. 12:41-45)	
46	“installing”/“installing an electrical sensor device within an internal cavity of a housing”	'421 Patent – claim 41	plain and ordinary meaning; no construction necessary	“In an example, the one of the top cover or base section is removably attached with the wall structure to facilitate installation and/or removal of the electrical sensor device from the internal cavity. In an example, the electrical sensor device is mechanically attached within the internal cavity by one or more surface features within the internal cavity that contact the electrical sensor device to retain its position therein, and wherein an open space exists above and below the electrical sensor device within the	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				internal cavity.” (col. 4:20-25) “An example method for using pressure assemblies and sensing systems as disclosed herein comprises installing the electrical sensor device within the housing internal cavity such that the electrical sensor device placement is mechanically fixed therein and the electrical sensor device is surrounded by the housing, and attaching the housing to the retaining member.”	
47	“the housing includes an outer structure that defines the internal cavity”	'421 Patent – claim 41	plain and ordinary meaning; no construction necessary	“The sensor assembly may comprise a housing having an outer surface and an internal cavity that is enclosed within the housing. In an example, the housing comprises a top cover, a wall structure, and a base	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				section that define the internal cavity. The top cover, wall structure and base section may be formed from the same or different materials, and one or more of the top cover, wall section, and base section may separate or integral with one another.” (col. 4:5-13) “In an example, the housing comprises a wall structure that surrounds the internal cavity, and wherein the retaining member comprises a wall structure having an open chamber that is configured to accommodate the housing wall structure therein to provide attachment therewith.” (col. 6: 15-19) “FIG. 3 illustrates a cut-	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				away view of an example sensor assembly housing 12 for the purpose of illustrating a wall 15 structure 34 connected with and extending from the top cover 22, wherein the wall structure 34 defines an outer side surface 36 of the housing 12. The housing 12 includes an internal cavity 38 that is disposed within the top cover 22 and wall structure 34 and that is specially configured to accommodate placement of one or more electrical sensor device 40 therein.” (col. 10:13-21)	
48	“the housing comprises an opening extending from an outer surface of the housing to the internal cavity”	'421 Patent – claim 41	plain and ordinary meaning; no construction necessary	“In an example, the housing includes an opening through the outside surface to the internal cavity, and further includes a filter that is positioned to filter	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				air passing into the internal cavity before reaching the electrical sensor device.” (col. 4: 29-33) “The housing 12 includes a top cover 22 that is configured to attach over an opening 82 of the housing inside cavity 38, which attachment may be 25 mechanical and/or bonded. In an example, the sensor assembly 80 is assembled by inserting the electrical sensor device 40 into the housing inside cavity 38 until the surface features engage the electrical sensor device 40 to fixedly limit its axial displacement therein. The housing top cover 22 is then 30 positioned over the inside cavity opening 82 and is	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				attached to the housing wall structure 34.” (col. 12:22-31) “Sensor assemblies as disclosed herein may include an electrical sensor device 40 comprising a sensor configured to rely on the pressure of the surrounding environment, which (when attached within a pneumatic vehicle tire) is the air pressure inside of the vehicle tire, e.g., for the purpose of providing an indication of vehicle tire pressure. In such sensor assembly embodiment, it is necessary that the housing 12 be configured to include one or more openings to provide air flow communication between such external	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				environment and the electrical sensor device 40 disposed within the housing internal cavity 38. With reference to FIGS. 1 and 2, the sensor assembly 10 comprises the housing 12 that is configured to include an opening 98 positioned along the top cover 22. The opening 98 is configured and positioned to enable air outside of the housing to reach the internal cavity 38 and the electrical sensor device 40 disposed therein.” (col. 14:12-28)	
49	“display feature”/“a display feature that is positioned on the housing”	'421 Patent – claim 50	plain and ordinary meaning; no construction necessary	“In an example, the housing outer surface includes one or more display features or indicia that are viewable to a user when the housing is attached with the retaining member.” (col. 6:19-22)	

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				“In an example, the sensor assembly housing top cover 22 may include one or more display features 32 or indicia that may be disposed thereon or be integral therewith, which display features 32 may include indicia such as a model number, serial number, directional information, or any other type of indicia that may serve a purpose to provide information about the sensor assembly 10 to a user upon viewing such indicia.” (col. 9:38-45)	
50	“the housing is positioned relative to the retaining member according to a display feature that is positioned on the housing”	’421 Patent – claim 50	plain and ordinary meaning; no construction necessary	See term # 49; See also: “While display features 32 as disclosed herein have been described and illustrated as being on a top cover 22 of the	

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Cerebrum v. Revvo, Case No. 1:24-cv-00245-JLH-SRF (D. Del.)

Cerebrum's Claim Construction Chart and Evidence (pursuant to D.I. 38): Term Nos. 1-7 Proposed by Cerebrum; Term Nos. 8-50 proposed by Revvo.

Term No.	Term	Claims	Proposed Construction	Intrinsic Evidence	Extrinsic Evidence
				housing 12, it is to be understood that the display feature 32 may be positioned at different locations on the housing 12 that is viewable by a user and that all such other placement positions are intended to be within the scope of pressure assemblies disposed herein.” (col. 10:3-9)	

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