

U. S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CLASSIFICATION ORDER 1843

April 5, 2005
Project No. E-6624

The following classification changes will be effected by this order:

	Class	Subclass	Art Unit	Ex'r Search Room No.
Abolished	362	31, 226	2875	JEF/00-C75
Established	362	600-634, 640-659	2875	JEF/00-C75

No other classes are impacted by this order.

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CLASSIFICATION ORDER 1843

April 5, 2005

Project No. E-6624

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SOURCE CLASSIFICATION(S) OF PATENTS
 IN NEWLY ESTABLISHED SUBCLASSES REPORT
 PROJECT: E6624

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New Classification	Number Of ORs	Source Classification	Number Of ORs
15/300.1	1	362/31	555
315/227 R	1	362/31	555
362/156	1	362/31	555
362/157	1	362/31	555
362/23	1	362/31	555
362/255	1	362/31	555
362/257	1	362/31	555
362/26	3	362/31	555
362/317	1	362/31	555
362/362	1	362/31	555
362/404	1	362/31	555
362/410	2	362/31	555
362/511	6	362/31	555
362/548	15	362/226	342
362/549	24	362/226	342
362/556	1	362/31	555
362/583	1	362/31	555
362/600	38	362/31	555
362/601	13	362/31	555
362/602	13	362/31	555
362/603	16	362/31	555
362/604	18	362/31	555
362/605	11	362/31	555
362/606	8	362/31	555
362/607	10	362/31	555
362/608	13	362/31	555
362/609	26	362/31	555
362/610	21	362/31	555
362/611	11	362/31	555
362/612	20	362/31	555
362/613	32	362/31	555
362/614	16	362/31	555
362/615	16	362/31	555
362/616	11	362/31	555
362/617	14	362/31	555
362/618	13	362/31	555
362/619	25	362/31	555
362/620	23	362/31	555
362/621	14	362/31	555
362/622	3	362/31	555
362/623	15	362/31	555
362/624	4	362/31	555
362/625	19	362/31	555
362/626	10	362/31	555

SOURCE CLASSIFICATION(S) OF PATENTS
 IN NEWLY ESTABLISHED SUBCLASSES REPORT
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Generated by: Data Control Division

New Classification	Number Of ORs	Source Classification	Number Of ORs
362/627	13	362/31	555
362/628	15	362/31	555
362/629	11	362/31	555
362/630	6	362/31	555
362/631	7	362/31	555
362/632	27	362/31	555
362/633	8	362/31	555
362/634	11	362/31	555
362/640	28	362/226	342
362/641	16	362/226	342
362/642	6	362/226	342
362/643	4	362/226	342
362/644	8	362/226	342
362/645	26	362/226	342
362/646	12	362/226	342
362/647	23	362/226	342
362/648	10	362/226	342
362/649	7	362/226	342
362/650	20	362/226	342
362/651	7	362/226	342
362/652	22	362/226	342
362/653	25	362/226	342
362/654	16	362/226	342
362/655	24	362/226	342
362/656	9	362/226	342
362/657	14	362/226	342
362/658	8	362/226	342
362/659	17	362/226	342
362/96	1	362/31	555
417/1	1	362/226	342

DISPOSITION CLASSIFICATION(S) OF PATENTS
 FROM ABOLISHED SUBCLASSES REPORT
 PROJECT: E6624

Generated by: Data Control Division

Source Classification	Number Of ORs	New Classification	Number Of ORs
362/226	342	362/548	15
		362/549	24
		362/640	28
		362/641	16
		362/645	26
		362/647	23
		362/649	7
		362/651	7
		362/653	25
		417/1	1
		362/659	17
		362/658	8
		362/657	14
		362/656	9
		362/655	24
		362/654	16
		362/652	22
		362/650	20
		362/648	10
		362/646	12
		362/644	8
		362/643	4
		362/642	6
362/31	555	15/300.1	1
		315/227 R	1
		362/23	1
		362/26	3
		362/96	1
		362/156	1
		362/157	1
		362/255	1
		362/257	1
		362/317	1
		362/362	1
		362/404	1
		362/410	2
		362/511	6
		362/556	1
		362/583	1
		362/600	38
		362/601	13
		362/602	13
		362/603	16
362/604	18		
362/605	11		
362/606	8		

DISPOSITION CLASSIFICATION(S) OF PATENTS
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Source Classification	Number Of ORs	New Classification	Number Of ORs
362/31	555	362/607	10
		362/608	13
		362/609	26
		362/610	21
		362/611	11
		362/612	20
		362/613	32
		362/614	16
		362/615	16
		362/616	11
		362/617	14
		362/618	13
		362/619	25
		362/620	23
		362/621	14
		362/622	3
		362/623	15
		362/624	4
		362/625	19
		362/626	10
		362/627	13
		362/628	15
		362/629	11
		362/630	6
		362/631	7
		362/632	27
		362/633	8
		362/634	11

D. CHANGES TO THE DEFINITIONS (Project No. E-6624)

CLASS 362 - ILLUMINATION

Definitions Abolished:

Subclasses:

31, 226

Definitions Modified (Place modifications in numerical sequence, where applicable.):

Subclass 486: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 226.

Insert:

652, for a quick disconnect-type light unit.

Subclass 511: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 31.

Insert:

615, for an edge-lighted panel.

Subclass 519: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 226.

Insert:

652, for a quick disconnect-type light unit.

Subclass 548: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 226.

Insert:

652, for a quick-disconnect type light unit.

Subclass 556: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 31.

Insert:

615, for an edge-lighted panel.

Subclass 560: Under See or Search This Class, Subclass:

Delete:

The entire reference to subclass 26.

Insert:

26, for an edge-illuminated modifier or light rod or pipe, subclass 30 for an internal light source with a indirect illumination, and subclass 615 for an edge-lighted panel.

Definitions Established: (Place established subclasses in numerical sequence.)

600 EDGE LIGHTED PANEL:

Subject matter indented under class definition comprising a light source or support therefor combined with a light transmissive material in the form of a solid having two opposite surfaces with overall dimensions very much greater than the distance between them and having at least one narrow surface (i.e., "edge") joining the two opposite surfaces and exposed to light from the source such that light from the source enters the material through the narrow surface and is transmitted within the material by internal reflections from the opposite surfaces or by nodal transmission.

SEE OR SEARCH CLASS:

349, Liquid Crystal Cells, Elements and Systems, subclass 65 for edge lighted panel with LCD.

601 Having additional panel emitting multiple wavelength light:

Subject matter subclass 600 comprising a panel or panels emitting light of different wavelengths including a light source or support therefor combined with a light transmissive material in the form of a solid having two opposite surfaces with overall dimensions very much greater than the distance between them and having at least one narrow surface (i.e., "edge") joining the two opposite surfaces and exposed to light from the source such that light from the source enters the material through the narrow surface and is transmitted within the material by internal reflections from the opposite surfaces or by nodal transmission.

602 Particular application:

Subject matter indented under subclass 600 wherein the edge lighted panel has a precise purpose.

603 Front light:

Subject matter indented under subclass 602 wherein the particular application is to provide uniform illumination from the viewing side of the edge lighted panel.

(1) Note. The light output face is opposite the viewing face.

SEE OR SEARCH CLASS:

349, Liquid Crystal Cells, Elements and Systems, subclass 63 specifically for guiding light in a front-lit device in a liquid crystal system.

604 Exhibit:

Subject matter indented under subclass 602 wherein the particular application is illuminating a document, picture, map, graph or a similar item to be viewed.

605 Ornamental or decorative:

Subject matter indented under subclass 602 wherein the edge lighted panel is adapted to provide beauty or elegance.

SEE OR SEARCH THIS CLASS, SUBCLASS:

565, for an ornamental or decorative design in a fiber, rod, or pipe.

806, for an ornamental or decorative design in a cross-reference art collection.

- 606 Light modifier with emission face combined with light guide plate:**
Subject matter indented under subclass 600 wherein one of the opposite surfaces of the light transmissive material is the main surface through which light is emitted and includes at least one means for optically changing the light emitted through the main surface.
- 607 Combination of two or more modifiers:**
Subject matter indented under subclass 606 wherein the light source has at least two means for optically changing the light emitted through the main surface.
- 608 Light modifier for edge lit light source (incident edge):**
Subject matter indented under subclass 600 wherein the light source has at least one means for optically changing the light entering the material through the narrow surface.
- 609 Reflector:**
Subject matter indented under subclass 608 wherein the light modifier means is a device, which redirects incident light back into a medium.

SEE OR SEARCH THIS CLASS, SUBCLASS:

623, for the reflective face in a light guide of the edge lighted panel.

- 610 Optical waveguide:**
Subject matter indented under subclass 608 wherein the light modifier is a transparent, relatively elongated surface that transmits light rays from one point to another within the confines of its outer surface or surfaces by internal reflections.

SEE OR SEARCH THIS CLASS, SUBCLASS:

26, for an optical waveguide in an edge illuminated modifier or light rod or pipe.

51, for an optical waveguide (e.g., fiber optic, edge-lit) in a light modifier supported by vehicle.

- 611 Light source:**
Subject matter indented under subclass 600 wherein an element (e.g., filament) or material (e.g., neon), which converts energy into visible radiant energy and/or the essential container of such an element or material, i.e., a light source envelope including the envelope base (e.g., light bulb, fluorescent tube).

(1) Note. Unless otherwise specified a light source is assumed to be a point source.

(2) Note. For purposes of classification within this class, nominal recitations such as "light unit", "lamp", "headlight", etc., are assumed to denote only a light source.

SEE OR SEARCH THIS CLASS, SUBCLASS:

216, for curvilinear light source, per se.

257, for light source (or support therefor) and modifier, per se.

- 612 Light Emitting Diode (LED):**
Subject matter indented under subclass 611 comprising a two-electrode semiconductor device emitting incoherent optical radiation when biased by a voltage in a forward direction.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 545, for light emitting diode in plural light sources supported by vehicle structure.
- 555, for light emitting diode (LED) in a light fiber, rod, or pipe.
- 800, for light emitting diode in a cross-reference art collection.

613 Plural:

Subject matter indented under subclass 611 wherein the illuminating structure includes more than one light source.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 27, for plural light sources in an illuminated scale or dial.
- 227, for plural light sources, per se.

614 Fluorescent:

Subject matter indented under subclass 611 wherein the source of light is a gaseous material having a phosphor envelope which emits visible light when irradiated by invisible radiation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 217, for elongated fluorescent type light source or support.
- 260, for fluorescent type light source and modifier.

615 Light guide:

Subject matter indented under subclass 600 comprising a light transmitting material having a relatively narrow surface or side disposed adjacent to a light source.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 26, for a light guide in an edge lighted modifier or light rod/pipe.
- 511, for a light guide in a light modifier supported by vehicle structure.

SEE OR SEARCH CLASS:

- 385, Optical Waveguides, subclass 146 for noncylindrical or nonplanar shaped waveguide.

616 Plural or compound:

Subject matter indented under subclass 615 wherein the total light guide structure is comprised of more than one light guide.

617 Emission face:

Subject matter indented under the subclass 615 wherein the top or bottom surface of the light guide sends out light.

618 Film or coating:

Subject matter indented under subclass 617 wherein an optically transmissive covering or layer has been applied to the emission face of the light guide.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 622, for film or coating on the incident face.
- 624, for film or coating on the reflective face.
- 627, for film or coating on the light guide, per se.

619 Type of surface:

Subject matter indented under subclass 617 wherein the exterior or upper boundary of the emission face has been modified for an optical purpose.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 625, for type of surface in a reflective face.

620 Prism:

Subject matter indented under subclass 619 wherein the exterior or upper boundary of the emission face has been modified for an optical purpose with the shape of pyramid or triangle.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 339, for prismatic type in a refractor in a light modifier.
- 626, for prism type of surface in a reflective face.

621 Incident face:

Subject matter indented under subclass 615 wherein the side surface or edge surface of the light guide receives light.

622 Film or coating:

Subject matter indented under subclass 621 wherein an optically transmissive covering or layer has been applied to the incident face of the light guide.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 618, for film or coating on the emission face.
- 624, for film or layer on the reflective face.
- 627, for film or coating on the light guide, per se.

623 Reflective face:

Subject matter indented under subclass 615 wherein the top or bottom surface of the light guide redirects the light back into the light guide.

SEE OR SEARCH CLASS:

- 359, Optical: Systems and Elements, 884 for selective absorption or transparent overcoating on a mirror.

624 Film or coating:

Subject matter indented under subclass 623 wherein an optically transmissive covering or layer has been applied to the reflective face of the light guide.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 618, for film or coating on the emission face.

- 622, for film or coating on the incident face.
- 627, for film or coating on the light guide, per se.

625 Type of surface:

Subject matter indented under subclass 623 wherein the exterior or upper boundary of the reflective face has been modified for an optical purpose.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 619, for type of surface in an emission face.

626 Prism:

Subject matter indented under subclass 625 wherein the exterior or upper boundary of the reflective face has been modified for an optical purpose with the shape of a pyramid or triangle.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 339, for prismatic type in a refractor in a light modifier.
- 620, for prism type of surface in an emission face.

627 Film or coating:

Subject matter indented under subclass 615 wherein an optically transmissive covering or layer has been applied to the light guide.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 618, for film or coating on the emission face.
- 622, for film or coating on the incident face.
- 624, for film or coating on the reflective face.

628 Shape:

Subject matter indented under subclass 615 wherein the light guide has a definite form for an optical purpose.

- (1) Note. The wedge shape is often used.

629 Material:

Subject matter indented under subclass 615 wherein the light guide has physical properties or specific substances added for optical purposes.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 582, for a specific material (e.g., type of light conducting material, material of pipe or rod) in a light fiber, rod, or pipe.

630 Electrical wiring elements:

Subject matter under subclass 600 including means for conducting electrical current in the panel.

631 Circuit board:

Subject matter under subclass 630 comprising an insulating panel wherein conductors are applied thereto by coating, laminating, or bonding in such a manner that the conductors

are permanently attached to the panel are included in the means for conducting electrical current in the edge lighted panel.

632 Housing:

Subject matter under subclass 600 comprising means for surrounding and supporting the illuminating means.

- (1) Note. This subclass includes the housing structure having an opening for the egress of light and for which no light modifying function is claimed.

SEE OR SEARCH THIS CLASS, SUBCLASS:

362, for a housing unit, per se, in an illumination system.

SEE OR SEARCH CLASS:

349, Liquid Crystal Cells, Elements and Systems, subclass 58 for holder, support, frame, or housing in the particular structure of a liquid crystal system.

633 Frame:

Subject matter under subclass 632 wherein the illumination device is supported by skeletal-type beams forming an open frame or support.

634 Holder:

Subject matter under subclass 632 wherein the illumination device is gripped in place.

SEE OR SEARCH THIS CLASS, SUBCLASS:

581, for mounting or holding means in a light fiber, rod, or pipe.

640 QUICK DISCONNECT-TYPE LIGHT UNIT:

Subject matter indented under the class definition comprising an electric light source or an electric light source support and a housing or modifier for the light source mutually supported by electrical connector means, which are quickly attachable to and removable from an electric circuit.

SEE OR SEARCH CLASS:

313, Electric Lamp and Discharge Devices, subclass 1 for the line between this class and Class 313.

641 Night light:

Subject matter indented under subclass 640 comprising a light source with a housing and/or modifier, the housing and/or modifier may leave the light source exposed or substantially enclose the light source, a male plug connector electrically connected to the light source and fitted to engage a wall outlet plug to provide low-level illumination of a room at night.

642 Sensor:

Subject matter indented under subclass 641 including a device that responds to a physical stimulus and transmits a control signal to the light source.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 276 for a condition responsive mean that includes a sensor in a light source (or support therefor) and modifier.
- 802 for a condition responsive mean that includes a sensor in a cross-reference art collection.

SEE OR SEARCH CLASS:

- 250, Radiant Energy, subclass 216 for a photocell type sensor that includes means (i.e., ambient light, optical or pre-photocell system) for illuminating the photocell and subclass 227.11 for subject matter with an optical or pre-photocell system including a light conductor (e.g., optical fiber or rod).

643 Air freshener:

Subject matter indented under subclass 641 including air filtering or deodorizing means in the night-light.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 96, for fluid distributor, per se, in an illumination device or system.

SEE OR SEARCH CLASS:

- 422, Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing, subclass 120 for deodorizing of, or chemical purification of, life sustaining environmental gas, per se.

644 Ornamental or decorative:

Subject matter indented under subclass 641 wherein the night light is adapted to provide beauty or elegance.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 565, for an ornamental or decorative design in a fiber, rod, or pipe.
- 605, for ornamental or decorative in a particular application in an edge lighted panel.
- 654, for ornamental or decorative in push to engage in particular engagement.
- 806, for ornamental or decorative in a cross-reference art collection.

645 With sealing:

Subject matter indented under subclass 640 having a means (e.g., gasket) filling the space between two adjacent elements to prevent matter on one side of the elements from passing between them to the other side.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 267, for sealing means or article atmosphere in a light source (or support therefor) and modifier.

646 Circuit board:

Subject matter is indented under subclass 640 comprising an insulating panel wherein conductors are applied thereto by coating, laminating, or bonding in such a manner that the conductors are permanently attached to the panel are included in the means for conducting electrical current in the quick disconnect-type light unit.

- 647 Particular engagement:**
Subject matter indented under subclass 640 whereby specific means are used to join or fasten together in the quick disconnect-type light unit.
- 648 Track lighting:**
Subject matter indented under subclass 647 comprising positionable light fixtures electrically connected to pairs of rail conductors.
- SEE OR SEARCH CLASS:
- 439, Electrical Connectors, subclass 110, for uninterrupted support rail or uninterrupted contact, per se, in an electrical connector.
- 649 Turn to engage:**
Subject matter indented under the subclass 647 the specific connecting or fastening comprises rotating or revolving around an axis or center.
- 650 Threaded (e.g., Edison type):**
Subject matter indented under subclass 649 including a helically ribbed portion adapted to interfit with a portion of a mating part by relative rotation and corresponding axial advance.
- SEE OR SEARCH CLASS:
- 439, Electrical Connectors, subclass 615 for having a screw thread coupling contact in a vitreous-type envelope (e.g., base of lamp).
- 651 Bayonet type:**
Subject matter indented under subclass 649 having a coupling part designed to be brought into interfitting relationship with a mating part by a first movement along its greatest axis extent and then by a movement about the central axis of the coupling part with respect to the mating part.
- SEE OR SEARCH CLASS:
- 439, Electrical Connectors, subclass 332 for bayonet coupling part movable about its axis in coupling movement actuating means or retaining means in addition to contact of coupling part.
- 652 Push to engage:**
Subject matter indented under subclass 647 whereby a coupling part is adapted to connect or join a mating part by pure rectilinear movement relative thereto.
- SEE OR SEARCH CLASS:
- 439, Electrical Connectors, subclass 344 for push-pull contacts (e.g., telephone jack or plug) in coupling movement actuating means or retaining means in addition to contact of coupling part.
- 653 Ornamental or decorative:**
Subject matter indented under subclass 652 whereby the push to engage light unit is adapted to provide beauty or elegance.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 565, for an ornamental or decorative design in a fiber, rod, or pipe.
- 605, for ornamental or decorative in a particular application in an edge lighted panel.
- 644, for ornamental or decorative in a night light.
- 806, for ornamental or decorative in a cross-reference art collection.

654 Christmas light:

Subject matter indented under subclass 653 wherein the ornamental or decorative light is a Christmas light.

SEE OR SEARCH THIS CLASS, SUBCLASS:

- 568, for a Christmas tree simulation using light fiber, rod, or pipe.

655 Locking:

Subject matter indented under subclass 652 comprising means to secure a coupling part in electrical current carrying relationship in the push to engage light unit or to secure another member which in turn holds the coupling part in electric current carrying relationship in the push to engage light unit.

656 Snap means:

Subject matter indented under subclass 655 comprising means securable by a quick-connect action.

657 Male contact:

Subject matter indented under subclass 652 including a plug adapted to enter a receptacle (i.e., socket) and make an electrical connection.

658 Exposed contacts:

Subject matter is indented under subclass 657 wherein the plugs are bare conductors (i.e., not insulated).

659 Parallel contacts:

Subject matter indented under subclass 658 wherein the plugs extend in the same direction and not meeting.

SEE OR SEARCH CLASS:

- 439, Electrical Connectors, subclass 617 for plug having spaced longitudinally engaging prong-like contacts in vitreous-type envelope (e.g., base of lamp).

FOREIGN ART COLLECTIONS

FOR 100 Edge Lighted Panel:

Foreign art collection comprising a light source or support therefor combined with a light transmissive material in the form of a solid having two opposite surfaces with overall dimensions very much greater than the distance between them and having at least one narrow surface (i.e., "edge") joining the two opposite surfaces and exposed to light from the source such that light from the source enters the material through the narrow surface and is transmitted within the material by internal reflections from the opposite surfaces or by nodal transmission.

FOR 101 Quick Disconnect Type Light Unit:

Foreign art collection comprising an electric light source or an electric light source support and a housing or modifier for the light source mutually supported by electrical connector means which are quickly attachable to and removable from an electric circuit.

