

CLASS 250, RADIANT ENERGY**SECTION I - CLASS DEFINITION**

This is the residual class for methods and apparatus involving radiant energy.

SCOPE OF THE CLASS

This class provides for all methods and apparatus for using, generating, controlling or detecting radiant energy, combinations including such methods or apparatus, subcombinations of same and accessories therefore not classifiable elsewhere.

SECTION II - LINES WITH OTHER CLASSES AND WITHIN THIS CLASS

Many other classes provide for methods and apparatus involving radiant energy, per se, or in combination when such methods or apparatus are also the subject matter of the class in question.

In general, subject matter involving radiant energy is provided for in other classes on the basis of either a specific use of the radiant energy or a specific type of radiant energy. Classes explicitly providing for subject matter involving radiant energy are listed below and arranged according to the above described basis of classification followed by some miscellaneous classes.

CLASSES PROVIDING FOR SPECIFIC USES OF RADIANT ENERGY

See References to Other Classes for the following art areas:

Uses of Radiant Energy for Separating and Assorting

Uses of Radiant Energy for Treating

Uses of Radiant Energy As a Medium of Control

Uses of Radiant Energy for Testing

Uses of Radiant Energy As a Medium of Communication

CLASSES PROVIDING FOR SPECIFIC TYPES OF RADIANT ENERGY

Classes Providing for Electron Space Discharge Type of Radiant Energy

Visible Light Type

Other Wave Type

SECTION III - REFERENCES TO OTHER CLASSES**SEE OR SEARCH CLASS:**

- 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers, subclasses 103 and 444 for wave energy (see Uses of Radiant Energy for Treating).
- 15, Brushing, Scrubbing, and General Cleaning, subclass 1.51 for electrostatic cleaning (see Uses of Radiant Energy for Treating).
- 19, Textiles: Fiber Preparation, subclass 0.21, for photoresponsive control of stopping (see Uses of Radiant Energy As a Medium of Control).
- 33, Geometrical Instruments, subclasses 227+ for light-ray type; subclasses 272+ for magnetic compasses; subclass 360, magnetic field responsive indicator of the direction of force traversing a natural media, using a CRT or photoelectric cell; and subclass 363, electrical telemetering with a photoelectric pickoff (see Uses of Radiant Energy for Testing).
- 33, Geometrical Instruments, subclass 363 for electrical telemetering with a photoelectric pickoff (see Uses of Radiant Energy As a Medium of Communication).
- 34, Drying and Gas or Vapor Contact With Solids, subclasses 245+ for processes and apparatus for drying or gas or vapor contact with solids in which the material or object treated is subjected to electromagnetic or electrostatic energy, including radiant electromagnetic energy; subclasses 266+ for treating feathers with radiant energy; and subclasses 524+ with automatic control (see Uses of Radiant Energy for Treating).
- 40, Card, Picture, or Sign Exhibiting, subclasses 542+ for luminous signs; subclasses 465+ for display with special effects having photoelectric switching control of electric circuit.
- 43, Fishing, Trapping, and Vermin Destroying, subclass 17.1 for electric current type and subclass 17.5 for luminous type; subclass 59 for condition responsive burglar traps.
- 49, Movable or Removable Closures, subclass 25 for radiant energy control, and subclasses 197+ for photocell control of an up-and-over, e.g.,

- garage door, opener (see Uses of Radiant Energy As a Medium of Control).
- 60, Power Plants, subclass 202 for ion motors.
- 62, Refrigeration, subclass 3.1 for electrical or magnetic effect type; subclasses 139 and 140, automatic control by accumulation of ice or frost.
- 73, Measuring and Testing, subclass 23 for the analysis of gases; particularly; subclass 23.1 for the combination of a gas chromatography test and a radiation (invisible and visible) test, of the effluent from the test, subclasses 53.01+ for the examination of liquids or a liquid suspension of solids; particularly, subclass 61.4 for the visible light examination of the settling rate of a liquid suspension of solids, subclasses 73+ for moisture content or absorption characteristics generally, subclass 104 for surface or cutlery edge testing generally, and subclasses 151+ for bore hole and drilling study tests generally, subclasses 861+ for volume or rate of flow meters generally, and subclasses 290+ for liquid level or depth gauges including those using visible light (see Uses of Radiant Energy for Testing).
- 84, Music, subclass 639 and 724 for photocell controlled tone generators.
- 89, Ordnance, subclass 41.06 for operation of mount training mechanism motors by light reception (see Uses of Radiant Energy As a Medium of Control).
- 95, Gas Separation: Processes, subclasses 27 and 28 for processes of gas separation using magnetism and subclasses 57+ for processes of gas separation using an electric or electrostatic field (see Uses of Radiant Energy for Separating and Assorting).
- 96, Gas Separation: Apparatus, subclasses 1+ for magnetic separating means for gas separation and subclasses 15+ for electric or electrostatic field separation apparatus for gas separation (see Uses of Radiant Energy for Separating and Assorting).
- 99, Foods and Beverages: Apparatus, subclass 342, with signal, indicator or tester; subclasses 358 and 451 for apparatus for subjecting foods and beverages to wave, radiant and electrical energy (see Uses of Radiant Energy for Treating).
- 101, Printing, subclass 470 for copying for plate making using radiant energy.
- 112, Sewing, subclasses 80.23+ for embroidery with optical pattern program means (see Uses of Radiant Energy As a Medium of Control).
- 118, Coating Apparatus, subclass 691 for photoelectric sensors responsive to condition of coating material (see Uses of Radiant Energy As a Medium of Control).
- 118, Coating Apparatus, subclasses 620+ for coating apparatus combined with means to apply radiant energy to the work (see Uses of Radiant Energy for Treating).
- 131, Tobacco, subclasses 294 and 299 for radiant energy; and subclass 333 for smoke separating or treating (see Uses of Radiant Energy for Treating).
- 134, Cleaning and Liquid Contact With Solids, subclass 1.
- 134, Cleaning and Liquid Contact With Solids, subclass 1 for processes of cleaning or contacting of solids with liquids which includes the application of radiant energy, including radiant electric energy, to the work; and subclass 113, with alarm, signal, indicating, testing, inspecting, illuminating or display means (see Uses of Radiant Energy for Treating).
- 137, Fluid Handling, subclass 78.1, for condition responsive photocells; and subclass 93, for maintaining or sensing mixture condition by optical or chemical property in self-proportioning or correlating systems (see Uses of Radiant Energy As a Medium of Control).
- 141, Fluent Material Handling, With Receiver or Receiver Coacting Means, subclasses 192+, for automatic control of flow cutoff or diversion (see Uses of Radiant Energy As a Medium of Control).
- 156, Adhesive Bonding and Miscellaneous Chemical Manufacture, subclass 67 for methods of surface bonding and/or assembly therefor utilizing phosphorescent or fluorescent materials; subclass 244.17, surface bonding with lamina formation or coating by electric, magnetic or wave energy; subclasses 350+, automatic and/or material-triggered control, especially subclass 378, including testing, measuring or indicating means; and subclass 379.6 for apparatus with means applying wave energy to work (see Uses of Radiant Energy for Treating).
- 160, Flexible or Portable Closure, Partition, or Panel, subclass 5, for weather and/or light initiated automatic control (see Uses of Radiant Energy As a Medium of Control).
- 162, Paper Making and Fiber Liberation, subclasses 49 and 192 for processes using radiant energy; and subclass 263, measuring, testing, inspecting, indicating or illumination (see Uses of Radiant Energy for Treating).

