1.1 **LIQUID CRYSTAL OPTICAL DISPLAY HAVING LAYER OF SPECIFIED COMPOSITION**
1.2 .Alignment layer of specified composition
1.21 ..Alignment layer is inorganic
1.23 ..Silicon compound (i.e., organosilicon)
1.25 ..Polyamide
1.26 ..Polyimide
1.27 ...Polyimidfluoride
1.28 ...Polyimidmetalo
1.3 .With viewing layer of specified composition
1.31 ..Polarizer or dye containing viewing layer
1.32 ..Silicon compound (e.g., glass, organosilicon, etc.)
1.33 ..Ester (e.g., polycarbonate, polyacrylate, etc.)
1.4 .With charge transferring layer of specified composition
1.5 .With bonding or intermediate layer of specified composition (e.g., sealant, space, etc.)
1.51 ..Inorganic layer
1.52 ..Silicon compound (i.e., organosilicon)
1.53 ..Epoxy
1.54 ..Ester
1.55 ..Unsaturated aliphatic polymer (e.g., vinyl, etc.)
1.6 .With substrate layer of specified composition
1.61 ..Releasable substrate layer to expose adhesive
1.62 ..Inorganic substrate layer (e.g., ceramic, metallic, glass, etc.)
3 **RELIGIOUS ARTIFACT (E.G., CRUCIFORM, ETC.)**
4 **BOW, POMPOM OR ROSETTE**
5 .Looped type
6 **PLUME**
7 **SPECIAL OCCASION ORNAMENT**
8 .Knockdown
9 .Collapsible
10 .Wreath type
11 .Ball, bell, or star-shaped
12 **COLLAPSIBLE ARTICLE (E.G., JOINTED, ELASTIC, ETC.)**
13 **DISPLAY IN FRAME OR TRANSPARENT CASING; OR DIORAMA INCLUDING OR IMITATIVE OF A REAL OBJECT**
14 .Peripheral enclosure or frame
15 **THREE DIMENSION IMITATION OR "TREATED" NATURAL PRODUCT**
16 .Fauna
17 .Flora
18 ..Tree
19 ...With article holder or ornament
20 ...Knockdown
21 ..Artificial fruit or garnishing leaf display strip
22 ..Including naturally occurring article
23 ..Cluster or with holder
24 ..Flower or flower petal
25 ...Of filamentary or filamentary-openwork type
26 ...Of cloth, paper, or chemically plastic matter
27 ..Framework with or therefor
28 **FINIAL OR PENDANT TYPE ARTICLE**
29 **ARTICLE HAVING LATENT IMAGE OR TRANSFORMATION**
30 .Striated for iridescence
31 **VEHICLE BODY ORNAMENT**
800 **MAGNETIC RECORDING COMPONENT OR STOCK**
810 .Magnetic head
811 ..Magnetoresistive
811.1 ...Having tunnel junction effect
811.2 ...Multilayer
811.3 ....Super lattice (e.g., giant magneto resistance (GMR) or colossal magneto resistance (CMR), etc.)
811.4 ...Single film
811.5 ...With defined structural feature
812 ..Magnetic layer composition
813 ..Substrate composition
814 ..With protective film
815 ..With defined laminate structural detail
815.1 ...Head with slider structure
815.2 ...With head pole component
816 ..With interlaminar component (e.g., adhesion layer, etc.)
817 .Magneto-optical media stock

818 ..Multiple magnetic layers, at least one of which is magneto-optic
819 ...Unit structure (i.e., three or more differing magnetic layers in series)
819.1 ....Reoccurring unit structure
819.2 ....Only three adjacent magnetic layers form series
819.3 ....Only four or six adjacent magnetic layers form series
819.4 .....Magnetic layers and at least one intervening nonmagnetic layer (e.g., antiferromagnetic, dielectric, etc.)
820 ...Only two magnetic layers, at least one of which is magneto-optic
820.1 ....Magnetic layer pairs separated by single nonmagnetic (e.g., antiferromagnetic, dielectric, etc.) layer
820.2 ....Adjacent magnetic layers
820.3 .....Having in-plane orientated magnetization
820.4 .....Magnetic layer composition specified
820.5 .....Specified performance related property (e.g., Kerr rotation, etc.)
820.6 ......Curie temperature
821 ..Single magneto-optic magnetic layer
822 ...Magneto-optic magnetic layer contains transition metal
822.1 ....Magnetic transition metal oxide in magneto-optic layer
822.2 .....Having garnet crystal structure
822.3 ....Rare-earth or lanthanum series element with iron or cobalt or nickel
822.4 .....With other element(s) other than rare-earth or lanthanum series element and iron, cobalt, or nickel
822.5 .....Rare-earth or lanthanum series element contained in separate lattice phase (e.g., scandium or yttrium in separate phase from FeCoNi, etc.)
823 ...With nonmagnetic metal (e.g., antiferromagnetic metal layer, Cu layer, etc.)
823.1 ....Metal reflecting layer (e.g., reflecting polarized beam, etc.)
823.2 .....Al-, Ag-, Au-, or Cu-base reflecting layer
824 ...With dielectric layer (e.g., SiO, AIN, ZnS, MgF2, etc.)
824.1 ....Plural dielectric layers or sections
824.2 ....Plural compounds in single dielectric layer (e.g., mixed layer of TiN and TiC, etc.)
824.3 ....Dielectric layer having chalcogen (i.e., O, S, Se, or Te) compound
824.4 ....Dielectric layer having nitride or carbide compound (e.g., TiN, TiC, etc.)
824.5 ....Dielectric layer having refractive index specified
825 ...With topcoat
825.1 ....Lubricant
826 .Thin film media
827 ..Multiple magnetic layers
828 ...Magnetic layers separated by nonmagnetic (antiferromagnetic, Cu, dielectric, etc.) layer(s)
828.1 ....Three or more magnetic layers on one substrate side
829 ...Differing compositions in plurality of magnetic layers (e.g., layer compositions having differing elemental components, different proportions of elements, etc.)
830 ...Plural magnetic layers of same empirical composition, each with different structure (e.g., differing crystalline lattice, atomic structure, etc.)
831 ..Single magnetic layer having two or more nonmagnetic underlayers (e.g., seed layers, barrier layers, etc.)
831.1 ...Including NiP underlayer
831.2 ...Specified physical structure of underlayer (e.g., texture, etc.)

832 ..Single magnetic layer and single underlayer
832.1 ...Co or Co-base magnetic layer
832.2 ....Cr or Cr-base underlayer
832.3 ...Ni or Ni-base underlayer
832.4 ...Polymeric underlayer (e.g., polymeric adhesion layer, plasma polymerized carbon, etc.)
833 ..Single magnetic layer with plural overcoat layers
833.1 ...Inorganic overcoat layer
833.2 ....Carbon overcoat (e.g., graphite, diamond like, doped carbon, etc.)
833.3 .....With lubricant over carbon layer
833.4 .....Plural lubricant layers over carbon layer
833.5 .....Having elemental nitrogen in carbon layer
833.6 .....With lubricant
834 ..Single magnetic layer with single specified overcoat layer
835 ...Carbon overcoat (e.g., graphite, diamond like, doped carbon, etc.)
835.1 ....Sputter-formed carbon overcoat
835.2 ....Plasma-formed carbon overcoat
835.3 ....Fullerene carbon
835.4 ....Containing elemental nitrogen in carbon overcoat
835.5 ....Textured surface overcoat
835.6 ...Organic compound overcoat
835.7 ....Fluorocarbon
835.8 .....Perfluoropolyether
836 ..Single magnetic layer
836.1 ...Metal or alloy magnetic layer
836.2 ...Magnetic layer having oxygen (i.e., uncombined or oxide)
836.3 ...Magnetic layer having inorganic compound of Si, N, P, B, H, or C
837 ..With nonmagnetic backcoat layer (e.g., inorganic particles in polymer, carbon, etc.)
838 .Binder media
839 ..Multiple magnetic layers
839.1 ...Magnetic layers only on single side of substrate
839.2 ....Two magnetic layers on single side of substrate
839.3 .....Chemically specified magnetic material
839.4 .....Chemically specified binder
839.5 .....With chemically identified adjuvant
839.6 .....Specified property (e.g., density, Tg, etc.)
840 ..Single magnetic layer with underlayer
840.1 ...Underlayer composition or structure
840.2 ....Nonmagnetic particles in underlayer (e.g., A12O3 particles, etc.)
840.3 .....Carbon black particles
840.4 ....Lubricant in underlayer (e.g., perfluoether, etc.)
840.5 ....Chemically identified underlayer binder
840.6 ...Magnetic layer chemical composition
841 ..Single magnetic layer with overcoat
841.1 ...Two overcoat layers
841.2 ...Chemical composition of overcoat specified
841.3 ....Lubricant in overcoat layer
842 ..Single magnetic layer
842.1 ...Having chemically specified magnetic particles (e.g., FeCo, CoNiPt, etc.)
842.2 ....Organic compound encapsulated or coated magnetic particles (e.g., polystyrene encapsulated magnetic particles, etc.)
842.3 ....Ferromagnetic (elemental or alloy) particles
842.4 .....Inorganic compound encapsulated or coated magnetic particles (e.g., Co oxide coated Fe particles, etc.)
842.5 ....Magnetic metal oxide, nitride, or carbide particles
842.6 .....Inorganic compound encapsulated or coated magnetic particles (e.g., Co coated Fe2O3, etc.)
842.7 .....Chromium oxide
842.8 .....Hexagonal or plate lattice-shaped oxides
842.9 .....Magnetic metal nitride or carbide

843 ...With organic compound adjuvant in magnetic layer
843.1 ....Dispersant or surfactant
843.2 ....Inhibitor
843.3 ....Lubricant
843.4 .....Ester
843.5 .....Fluorine compound
843.6 .....Silicon compound
843.7 ....Acids, amines, amides, or salts thereof
844 ...With nonmagnetic particles (e.g., hematite particles, polystyrene, and polyisoprene copolymer, etc.)
844.1 ....Only single-type nonmagnetic particle
844.2 .....Surface modified particle (e.g., aluminum oxide coated particles, etc.)
844.3 .....Alumina particle (i.e., A12O3)
844.4 .....Carbon black particle (e.g., lamp carbon, etc.)
844.5 ...Chemically specified polymer binder
844.6 ....Radiation cured (i.e., cross linked) binder
844.7 ....Plural chemically specified polymeric binders in single layer
844.71 .....Polyurethane binder with vinyl chloride binder
844.8 ....Polyurethane binder
844.9 ....Vinyl chloride binder
845 ..Nonmagnetic backcoat layer (e.g., polysiloxane, etc.)
845.1 ...Nonmagnetic particles in backcoat layer (TiO2, ZnO, SiO2, etc.)
845.2 ....Carbon black particles
845.3 .....With additional nonmagnetic particles
845.4 ...With additive (e.g., lubricant, etc.)
845.5 ...Having specified property (e.g., average roughness (Ra) etc.)
845.6 ....For servo tracking
845.7 ...Chemically specified polymeric binder
846 .Magnetic recording media substrate
846.1 ..Inorganic substrate
846.2 ...Composite or coated substrate (e.g., ceramic-epoxy composite, etc.)
846.3 ....Silicon compound coating
846.4 ....Anodized or oxidized aluminum or aluminum-base alloy
846.5 ...Carbon substrate
846.6 ...Metallic (i.e., elemental or alloy) substrate
846.7 ....Al or Al-base alloy substrate
846.8 ....Ti or Ti-base alloy substrate
846.9 ...Glass or ceramic substrate
847 ..Organic polymer substrate
847.1 ...Composite or coated nonesterfied substrate
847.2 ...Polyester substrate (e.g., polyethylene terephthalate, etc.)
847.3 ....Containing naphthalene ring (e.g., polyethylenenaphthalate, etc.)
847.4 ....Laminate of two or more layers
847.5 ....Coated or surface treated layer (e.g., by corona discharge, etc.)
847.6 ....Containing particles (e.g., aluminum carbonate particles, calcium carbonate particles, etc.)
847.7 .....Having specific surface feature or roughness (e.g., by added particles, etc.)
847.8 ...Polymer containing specified ring structure
848 ..Circular shape (e.g., disk, etc.)
848.1 ...Having zones (e.g., landing zone or contact stop/start (CSS) zone, etc.)
848.2 ...Specified texture or roughness (e.g., average roughness (Ra), etc.)
848.3 ....Uniform texture
848.4 ...Stretched surface
848.5 ...Having specified pits, tracks, or indicia
848.6 ...Edge feature (e.g., chamfered edge, etc.)
848.7 ...Disk in holder (e.g., disk in casing, etc.)

848.8 ...Disk property resulting from specified process (e.g., injection molding, photolithography, sintering, etc.)
848.9 ...Magneto-optic media disc
544 **ALL METAL OR WITH ADJACENT METALS**
545 .Component of composite having metal continuous phase interengaged with nonmetal continuous phase
546 .Having metal particles
547 ..Having composition or density gradient or differential porosity
548 ..Composite; i.e., plural, adjacent, spatially distinct metal components (e.g., layers, etc.)
549 ...Fiber, asbestos, or cellulose in or next to particulate component
550 ...Porous component
551 ...Nonmetal component
552 ....Entirely inorganic
553 ...Nonparticulate metal component
554 ....Plural nonparticulate metal components
555 .....Next to each other
556 ......Nonmetal in particulate component
557 ....Plural particulate metal components
558 ....Nonparticulate component encloses particles
559 ....Particles discontinuous
560 .....Separated by nonmetal matrix or binder (e.g., welding electrode, etc.)
561 ......Nonparticulate component has Ni-, Cu-, or Zn-base
562 ......Nonparticulate component has Fe-base
563 ....Next to Fe-containing particles
564 ....Nonmetal particles in particulate component
565 ...Nonmetal particles in a component
566 ..Interconnected void structure (e.g., permeable, etc.)
567 ..Continuous interengaged phases of plural metals, or oriented fiber containing
568 ...Nonmetal containing
569 ...Mo or W containing
570 .Composite powder (e.g., coated, etc.)
571 .Having marginal feature for indexing or weakened portion for severing
572 ..For severing perpendicular to longitudinal dimension
573 .Width or thickness variation or marginal cuts repeating longitudinally
574 ..Variation in both width and thickness
575 ..Marginal slots (i.e., deeper than wide)
576 .Shaped configuration for melting (e.g., package, etc.)
577 .Intermediate article (e.g., blank, etc.)
578 ..Panel having nonrectangular perimeter
579 ...Disk
580 ...Symmetrical
581 ....Only one plane of symmetry
582 ..Having outward flange, gripping means or interlocking feature
583 ..Having discrete fastener, marginal fastening, taper, or end structure
584 ...Same structure at both ends of plural taper
585 ...Single taper (e.g., ingot, etc.)
586 .Workpiece with longitudinal passageway or stopweld material (e.g., for tubular stock, etc.)
587 .Workpiece mimicking finished stock having nonrectangular or noncircular cross section
588 .Workpiece of parallel, nonfastened components (e.g., fagot, pile, etc.)
589 ..Arranged to avoid lateral displacement
590 ..Composite
591 .With provision for limited relative movement between components
592 .Helical or with helical component

593 .Honeycomb, or with grain orientation or elongated elements in defined angular relationship in respective components (e.g., parallel, inter- secting, etc.)
594 .Plural layers discontinuously bonded (e.g., spot-weld, mechanical fastener, etc.)
595 .Nonplanar, uniform-thickness material having symmetrical channel shape or reverse fold (e.g., making acute angle, etc.)
596 .Having aperture or cut
597 ..Struck-out portion type
598 .Having member which crosses the plane of another member (e.g., T or X cross section, etc.)
599 .Defined configuration of both thickness and nonthickness surface or angle therebetween (e.g., rounded corners, etc.)
600 .Having variation in thickness
601 ..Discontinuous surface component
602 ..Longitudinally smooth and symmetrical
603 .Nonplanar uniform thickness or nonlinear uniform diameter (e.g., L-shape)
604 ..Intersecting corrugating or dimples not in a single line (e.g., waffle form, etc.)
605 .Mass of only fibers
606 .Foil or filament smaller than 6 mils
607 ..Composite
608 .Embodying fibers interengaged or between layers (e.g., paper, etc.)
609 .Macroscopically anomalous interface between layers
610 .Having composition, density, or hardness gradient
611 .Having magnetic properties, or preformed fiber orientation coordinate with shape
612 .Microscopic interfacial wave or roughness
613 .Porous (e.g., foamed, spongy, cracked, etc.)
614 .Laterally noncoextensive components (e.g., embedded, etc.)
615 .Composite; i.e., plural, adjacent, spatially distinct metal components (e.g., layers, joint, etc.)
616 ..Deflectable by temperature change (e.g., thermostat element)
617 ...More than two components
618 ...One component Cu-based
619 ...Both components Fe-based with more than 10% Ni
620 ..Semiconductor component
621 ..With additional, spatially distinct nonmetal component
622 ...More than one such component
623 ....Adjacent to each other
624 ...Organic component
625 ....Elastomer
626 ....Synthetic resin
627 ...Boride, carbide or nitride component
628 ...Component contains compound of adjacent metal
629 ....Oxide
630 ...Noncrystalline silica or noncrystalline plural-oxide component (e.g., glass, etc.)
631 ....Film (e.g., glaze, etc.)
632 ...Oxide-containing component
633 ....Plural oxides
634 ...Free carbon containing component
635 ..Four or more distinct components with alternate recurrence of each type component
636 ..Adjacent, identical composition, components
637 ...Group VIII or IB metal-base
638 ....Fe, containing 0.01-1.7% carbon (i.e., steel)
639 ..O, S, or organic compound in metal component
640 ...Oxide of transition metal or Al
641 ..Ge- or Si-base component
642 ..Ga-, In-, Tl- or Group VA metal-base component
643 ..Pb- and Sn-base components: alternative to or next to each other
644 ...And next to Cu- or Fe-base component
645 ..Pb-base component
646 ..Sn-base component

647 ...Next to Group IB metal-base component
648 ...Next to Group VIII metal-base component
649 ..Group IIA metal-base component
650 ..Al-base component
651 ...Next to refractory (Group IVB, VB, or VIB) metal-base component
652 ...Next to Group VIII or IB metal-base component
653 ....Fe
654 ...Next to Al-base component
655 ..Transition metal-base component
656 ...Alternative base metals from diverse categories
657 ...Group IIB metal-base component
658 ....Zn-base component
659 .....Next to Fe-base component (e.g., galvanized)
660 ...Refractory (Group IVB, VB, or VIB) metal-base component
661 ....Diverse refractory group metal-base components: alternative to or next to each other
662 ....Group VB metal-base component
663 ....Group VIB metal-base component
664 .....Alternative to or next to each other
665 .....W-base component
666 .....Cr-base component
667 .....Next to Co-, Fe-, or Ni-base component
668 ...Group VIII or IB metal-base component
669 ....Group IB metal-base component alternative to platinum group metal-base component (e.g., precious metal, etc.)
670 ....Platinum group metal-base component
671 ....Cu-base component alternative to Ag-, Au-, or Ni-base component
672 ....Au-base component
673 ....Ag-base component
674 ....Cu-base component
675 .....Next to Co-, Cu-, or Ni-base component
676 .....Next to Fe-base component
677 .....Fe-base has 0.01-1.7% carbon (i.e., steel)
678 ....Co-, Fe-, or Ni-base components, alternative to each other
679 ....Co- or Ni-base component next to Fe-base component
680 ....Ni-base component
681 ....Fe-base component
682 .....Next to Fe-base component
683 .....Both containing 0.01-1.7% carbon (i.e., steel)
684 .....Containing 0.01-1.7% carbon (i.e., steel)
685 .....Containing more than 10% nonferrous elements (e.g., high alloy, stainless)
686 ..Adjacent functionally defined components
687 .Surface feature (e.g., rough, mirror)

2 **COMPACTED TRASH OR REFUSE BUNDLE**

32 **ARTICLE HAVING ORNAMENTAL WOUND OR WOVEN STRANDS**

32.1 **INK JET STOCK FOR PRINTING (I.E., STOCK BEFORE PRINTING)**
32.11 .Having property to receive other media in addition to ink jet composition
32.12 .Retransferable
32.13 .Image viewable from either side (e.g., OHP, projectable image, etc.)
32.14 ..Single recording layer
32.15 ...Particles in recording layer
32.16 .Cloth or textile support
32.17 .Microporous synthetic resin support (e.g., microcracked, microembossed, etc.)
32.18 .Physical properties (e.g., dimensions, optical, smoothness, etc.) of support specified
32.19 ..Optical property of support specified (e.g., opacity, brightness, etc.)
32.2 ..Smoothness or freeness specified
32.21 .Paper support composition specified
32.22 .Specified property (e.g., antistatic, anticurl, adhesive, antifriction, etc.) of backing layer
32.23 .Terpolymer ink receptive layer
32.24 .Plural ink receptive layers

32.25 ..Particle (e.g., pigment, etc.) containing layer
32.26 .Hardened, cured, or cross-linked ink receptive layer
32.27 .Gelatin ink receptive layer
32.28 .Modified polyvinyl alcohol ink receptive layer
32.29 .Quaternary ammonium compound ink receptive layer
32.3 .Dye-fixing agent in ink receptive layer
32.31 .Physical property of ink receptive layer specified
32.32 ..Pore size or volume
32.33 ..Gloss specified
32.34 .Particles (e.g., pigment, etc.) present in ink receptive layer
32.35 ..Particle size distribution
32.36 ..Surface of particle is modified (e.g., coated, charged, etc.)
32.37 ..Property of particle specified (e.g., oil absorbtivity, surface area, pore size, etc.)
32.38 .Multiple polymers in ink-receptive layer
32.39 **RECEIVER FOR THERMAL TRANSFER INK**
32.5 .Particles in receiving media
32.51 .Retransferable (i.e., receiving layer utilizable as ink transferable donor)
32.52 .Thermal transfer donor attached
32.6 **THERMAL TRANSFER DONOR (E.G., RIBBON, SHEETS, ETC.)**
32.61 .Multiple printing (i.e., reusable)
32.62 ..Porous layer containing transferable material (e.g., ink, etc.)
32.63 .Support properties specified (e.g., shrikability, thermal conductivity, etc.)
32.64 .Specialized heat source contacting layer (i.e., back layer) on support
32.65 ..Having electrical resistance specified
32.66 ..Having heat resistance and lubricity specified
32.67 ..Having lubricity specified
32.68 ..Having heat resistance specified
32.69 .Particles in transfer layer
32.7 ..Meltable particles
32.71 ..Glass or ceramic particles
32.72 ..Resin particles
32.73 ...Microcapsule particle
32.74 ..Metal particles
32.75 .Multiple colors transferable (e.g., stacked, etc.)
32.76 ..Lateral diverse colors
32.77 .Multiple layers transfer
32.78 ..Separate adhesive layer transfers
32.79 ...Adhesive outermost layer
32.8 .Specialized non-transferable layer on support
32.81 ..Release enhancing layer
32.82 ...Wax in releasing layer
32.83 .Wax in transfer layer
32.84 ..Wax and resin in transfer layer
32.85 .Copolymer in transfer layer
32.86 .Multiple resins in transfer layer
32.87 .Physical property (e.g., melting point, softening point, glass transition point, etc.) specified
33 **PLURAL PARTS WITH EDGES OR TEMPORARY JOINING MEANS EACH COMPLEMENTARY TO OTHER**
34 **LIGHT TRANSMISSIVE SHEETS, WITH GAS SPACE THEREBETWEEN AND EDGE SEALED (E.G., DOUBLE GLAZED STORM WINDOW, ETC.)**
34.1 **HOLLOW OR CONTAINER TYPE ARTICLE (E.G., TUBE, VASE, ETC.)**
34.2 .Paper containing (e.g., paperboard, cardboard, fiberboard, etc.)
34.3 ..Bag or tubular film (e.g., pouch, flexible food casing, envelope, etc.)
34.4 .Glass, ceramic, or sintered, fused, fired, or calcined metal oxide or metal carbide containing (e.g., porcelain, brick, cement, etc.)
34.5 ..Contains fabric, fiber particle, or filament made of glass, ceramic, or sintered, fused, fired, or calcined metal oxide, or metal carbide or other inorganic compound (e.g., fiber glass, mineral fiber, sand, etc.)
34.6 ..Multilayer (continuous layer)
34.7 ...Polymer or resin containing (i.e., natural or synthetic)
34.8 .Flexible food casing (e.g., sausage type, etc.)

34.9 .Shrinkable or shrunk (e.g., due to heat, solvent, volatile agent, restraint removal, etc.)
35.1 ..Single layer (continuous layer)
35.2 .Nonself-supporting tubular film or bag (e.g., pouch, envelope, packet, etc.)
35.3 ..Elemental metal containing
35.4 ..Contains vapor or gas barrier, polymer derived from vinyl chloride or vinylidene chloride, or polymer containing a vinyl alcohol unit
35.5 ..Single layer (continuous layer)
35.6 .Cellular material derived from plant or animal source (e.g., wood, cotton, wool, leather, etc.)
35.7 .Polymer or resin containing (i.e., natural or synthetic)
35.8 ..Elemental metal containing (e.g., substrate, foil, film, coating, etc.)
35.9 ...Three or more layers (continuous layer)
36.1 ..Textile, fabric, cloth, or pile containing (e.g., web, net, woven, knitted, mesh, nonwoven, matted, etc.)
36.2 ...Textile, fabric, cloth, or pile is sandwiched between two distinct layers of material unlike the textile, fabric, cloth, or pile layer
36.3 ..Fiber or fibers wound around each other or into a self-sustaining shape (e.g., yarn, braid, fibers shaped around a core, etc.)
36.4 ..Randomly noninterengaged or randomly contacting fibers, filaments, particles, or flakes
36.5 ..Foam or porous material containing
36.6 ..Contains vapor or gas barrier, polymer derived from vinyl chloride or vinylidene chloride, or polymer containing a vinyl alcohol unit
36.7 ...Vapor or gas barrier, polymer derived from vinyl chloride or vinylidene chloride, or polymer containing a vinyl alcohol unit is sandwiched between layers (continuous layer)
36.8 ..Natural or synthetic rubber or rubber-like compound containing
36.9 ..Open-ended, self-supporting conduit, cylinder, or tube-type article
36.91 ...Multilayer (continuous layer)
36.92 ..Single layer (continuous layer)
37 **SPIRALLY FLAT-WOUND STRAND OR STRIP (E.G., BRAIDED RUG, ETC.)**
38 **MASS TRANSMISSIVE OF LIGHT THROUGH ALL LAYERS AND HAVING OPAQUE BORDER (E.G., STAINED GLASS, WIRED GLASS, ETC.)**
39 **COLLAGE REPRESENTATIVE OF REAL OBJECT**
40.1 **LAYER OR COMPONENT REMOVABLE TO EXPOSE ADHESIVE**
40.2 .Capsule or particulate matter containing (e.g., sphere, flake, microballon, etc.)
40.3 .Bituminous
40.4 .Ceramic, glass, glasslike, vitreous
40.5 .Wax containing
40.6 .Halogen containing compound
40.7 ..Fluorine
40.8 ..Coloring agent containing
40.9 .Metal containing
41.1 ..Aluminum
41.2 ..Coloring agent containing
41.3 .Polymer derived only from ethylenically unsaturated monomer
41.4 ..Silicon
41.5 .Polymer derived from material having at least one acrylic or alkacrylic group or the nitrile or amide derivative thereof (e.g., acrylamide, acrylate ester, etc.)
41.6 .Coloring agent
41.7 .Protective layer
41.8 .Release layer
41.9 .Dissimilar adhesives
42.1 .Ornamental, decorative, pattern, or indicia

88 .Edge feature or configured or discontinuous surface
89 ..Differential pile length or surface
90 .Flock surface
91 .Nap type surface
92 .Particular shape or structure of pile
93 ..U-, V-, or W-shaped or continuous strand, filamentary material
94 ...Continuous strand with adhesive bond to backing
95 .Particular backing structure or composition
96 .With coating, impregnation, or bond
97 .Composition of pile or adhesive
98 **STRUCTURALLY DEFINED WEB OR SHEET (E.G., OVERALL DIMENSION, ETC.)**
99 .Including fastener for attaching to external surface
100 ..Hook or barb
101 .Superposed movable attached layers or components
102 .Including stitching and discrete fastener(s), coating or bond
103 ..Discontinuous or differential coating, impregnation, or bond
104 ...Coating, impregnation, or bond in stitching zone only
105 .Including grain, strips, or filamentary elements in respective layers or components in angular relation
106 ..Wood grain
107 ..Strand or strand-portions
108 ...Nonlinear strands or strand-portions
109 ...With additional layer(s)
110 ....On each side of strands or strand-portions
111 .....Including mechanically interengaged strands, strand-portions or strand-like strips
112 ...Oblique to direction of web
113 ..Fibers
114 .Including grain, strips, or filamentary elements in different layers or components parallel
115 .Including fringe
116 .Honeycomb-like
117 ..Filled honeycomb cells (e.g., solid substance in cavities, etc.)
118 ..Hexagonally shaped cavities
119 .Including sheet or component perpendicular to plane of web or sheet
120 ..Inward from edge of web or sheet
121 .Fold at edge
122 ..Channel-shaped edge component (e.g., binding, etc.)
123 ..With strand(s) or strand-portion(s) between layers (e.g., upholstery trim, etc.)
124 ..Acute or reverse fold of exterior component
125 ...Embedded in body of web
126 ...At opposed marginal edges
127 ....Annular cover
128 .....One piece
129 ......Abutted or lapped seam
130 ..Particular fold structure (e.g., beveled, etc.)
131 .Including aperture
132 ..Struck out portion type
133 ...Embedded or interlocked
134 ..Noncircular aperture (e.g., slit, diamond, rectangular, etc.)
135 ...Diamond or hexagonal
136 ...Slit or elongated
137 ..Composite web or sheet
138 ...Including nonapertured component
139 ....Keyed
140 .....From both sides
141 .Continuous and nonuniform or irregular surface on layer or component (e.g., roofing, etc.)
142 ..With transparent or protective coating
143 ..Particulate matter
144 ...Coated
145 ....Silicon containing coating
146 ...Carbohydrate
147 ...Polymer or resin (e.g., natural or synthetic rubber, etc.)
148 ...Metal or metal compound
149 ...Silicon containing
150 ....Sand, clay, or crushed rock or slate

151 ..Artificial wood or leather grain surface
152 ..Wrinkled, creased, crinkled or creped
153 ...Paper
154 ....Plural paper components
155 ..Crackled, crazed or slit
156 .Including variation in thickness
157 ..Differential nonuniformity at margin
158 ..Foamed or cellular component
159 ...Component comprises a polymer (e.g., rubber, etc.)
160 ....Polyurethane
161 ..With component conforming to contour of nonplanar surface
162 ...And conforming component on an opposite nonplanar surface
163 ...Parallel ribs and/or grooves
164 ...Containing metal or metal compound
165 ...Including cellulosic or natural rubber component
166 ..Interlaminar spaces
167 ..Parallel ribs and/or grooves
168 ...With particulate matter
169 ...Oblique to longitudinal axis of web or sheet
170 ..And varying density
171 ...Fiber containing component
172 ..Composite web or sheet
173 ...With partial filling of valleys on outer surface
174 .Nonplanar uniform thickness material
175 ..Embodying mechanically interengaged strand(s), strand-portion(s) or strand-like strip(s) (e.g., weave, knit, etc.)
176 ...With folds in parallel planes
177 ..Differential nonplanarity at margin
178 ..Forming, or cooperating to form cells
179 ..Aligned or parallel nonplanarities
180 ...Waffle-form
181 ...Pleats or otherwise parallel adjacent folds
182 ...Parallel corrugations
183 ....With locally deformed crests or intersecting series of corrugations
184 ....Plural corrugated components
185 .....With corrugations of respective components intersecting in plane projection
186 .....With planar component
187 ..Ornamental design or indicia
188 .Longitudinal or transverse tubular cavity or cell
189 .Laterally noncoextensive components
190 ..Fabric, cloth or textile component
191 ..Cellulosic
192 .Edge feature
193 ..Including layer embodying mechanically interengaged strands, strand portions or strand-like strips (e.g., weave, knit, etc.)
194 ..Comprising discontinuous or differential impregnation or bond
195.1 .Discontinuous or differential coating, impregnation or bond (e.g., artwork, printing, retouched photograph, etc.)
196 ..Including layer of mechanically interengaged strands, strand-portions or strand-like strips
197 ...Knitted, with particular or differential bond sites or intersections
198 ..Spot bonds connect components
199 ..Including developable image or soluble portion in coating or impregnation (e.g., safety paper, etc.)
200 ..With heat sealable or heat releasable adhesive layer
201 ..Intermediate layer is discontinuous or differential
202 ...With outer strippable or release layer
203 ...Translucent outer layer
204 ....Intermediate layer contains particulate material (e.g., pigment, etc.)
205 ....Translucent layer comprises natural oil, wax, resin, gum, glue, gelatin
206 ..Including particulate material
207 ...Including coloring matter
208 ...Free metal or mineral containing
209 ..Including metal layer

210 ..Including ceramic, glass, porcelain or quartz layer
211.1 ..Including paper layer
212 .Including components having same physical characteristic in differing degree
213 ..Thickness (relative or absolute)
214 ...Of adhesive layers
215 ...Absolute thicknesses specified
216 ....No layer or component greater than 5 mils thick
217 ..Hardness
218 ..Density or compression of components
219 .Weight per unit area specified
220 .Physical dimension specified
221 **WEB OR SHEET CONTAINING STRUCTURALLY DEFINED ELEMENT OR COMPONENT**
222 .Embodying intertwined or helical component(s)
223 .Including interlaminar mechanical fastener

Class 442 is an integral part of this Class (Class 428), as shown by the position of this box, and follows the schedule hierarchy of this Class, retaining all pertinent definitions and Class lines of this class.

292.1 .Noninterengaged fiber-containing paper-free web or sheet which is not of specified porosity
292.4 ..Fiber-containing wood product (e.g., hardboard, lumber, or wood board, etc.)
292.7 ..Including paper layer
293.1 ..Fiber embedded in a metal matrix
293.4 ..Fiber embedded in a ceramic, glass, or carbon matrix
293.7 ...Fibers are aligned substantially parallel
294.1 ....Fiber is precoated
294.4 ...Free metal or alloy fiber
294.7 ..Fiber embedded in a layer derived from a water-settable material (e.g., cement, gypsum, etc.)
295.1 ..Fiber embedded in or on the surface of a natural or synthetic rubber matrix
295.4 ...Fibers are aligned substantially parallel
295.7 ....Fiber is nonlinear (e.g., crimped, sinusoidal, etc.)
296.1 ....Fiber is precoated
296.4 ...Fiber is precoated
296.7 ...Composite or conjugate fiber (e.g., fiber contains more than one chemically different material in monofilament or multifilament form, etc.)
297.1 ...Two or more layers
297.4 ..Fiber embedded in or on the surface of a polymeric matrix
297.7 ...Fiber is on the surface of a polymeric matrix having no embedded portion
298.1 ...Fibers are aligned substantially parallel
298.4 ....Fiber is nonlinear (e.g., crimped, sinusoidal, etc.)
298.7 ....Fiber is precoated
299.1 ....Carbon or carbonaceous fiber
299.4 ....Glass fiber
299.7 ....Polymeric fiber
300.1 ...Fiber is precoated
300.4 ...Two or more chemically different fibers
300.7 ...Two or more layers
301.1 ....Including a free metal or alloy constituent
301.4 ....At least one thermosetting synthetic polymeric material layer
304.4 .Composite having voids in a component (e.g., porous, cellular, etc.)
305.5 ..With chemically effective material or specified gas other than air, N, or carbon dioxide in void-containing component
306.6 ..Void-containing component partially impregnated with adjacent component
307.3 ...Void-containing component is inorganic
307.7 ....Inorganic impregnant
308.4 ...Void-containing component is synthetic resin or natural rubbers

308.8 ...Void-containing component is wood or paper
309.9 ..With internal element bridging layers, nonplanar interface between layers, or intermediate layer of commingled adjacent foam layers
310.5 ..With gradual property change within a component
311.11 ..Void-containing component has a continuous matrix of fibers only (e.g., porous paper, etc.)
311.31 ...And a force disintegratable component (e.g., stencil sheet, etc.)
311.51 ...Fibers of defined composition
311.71 ....Cellulosic
311.91 .....Plural cellulosic components
312.2 ..Inorganic matrix in void-containing component
312.4 ...Of hydraulic-setting material
312.6 ...Of silicon-containing material (e.g., glass, etc.)
312.8 ...Of metal-containing material
313.3 ..Preformed hollow element-containing
313.5 ...Resin or rubber element
313.7 ...Mineral element
313.9 ...Metal- or silicon-containing element
314.2 ..Void shape specified (e.g., crushed, flat, round, etc.)
314.4 ..Voids specified as closed
314.8 ...Specified thickness of void-containing component (absolute or relative), numerical cell dimension or density
315.5 ..Voids specified as micro
315.7 ...Specified thickness of void-containing component (absolute or relative) or numerical cell dimension
315.9 ...Composite has more than two layers
316.6 ..Plural void-containing components
317.1 ..With component specified as adhesive or bonding agent
317.3 ...As outermost component
317.5 ...Adhesive or bonding component contains voids
317.7 ...Composition of adhesive or bonding component specified
317.9 ..Void-containing component contains also a solid fiber or solid particle
318.4 ..With nonvoid component of specified composition
318.6 ...Of about the same composition as, and adjacent to, the void-containing component
318.8 ....Integrally formed skin
319.1 ...Inorganic
319.3 ...Synthetic resin or natural rubbers
319.7 ....Linear or thermoplastic
319.9 .....Hydrocarbon polymer
320.2 .Composite having a component wherein a constituent is liquid or is contained within preformed walls (e.g., impregnant-filled, previously void containing component, etc.)
321.1 ..Constituent is in liquid form
321.3 ...Ink in pores
321.5 ...Encapsulated liquid
322.2 ..Indefinite plurality of similar impregnated thin sheets (e.g., "decorative laminate" type, etc.)
322.7 ..Differentially filled foam, filled plural layers, or filled layer with coat of filling material
323 .Including a second component containing structurally defined particles
324 ..Mica
325 ..Glass or ceramic (i.e., fired or glazed clay, cement, etc.) (porcelain, quartz, etc.)
326 ..Cellulosic (e.g., wood, paper, cork, rayon, etc.)
327 ..Polymeric or resinous material
328 ..Heavy metal or aluminum or compound thereof
329 ...Iron oxide or aluminum oxide
330 ..Alkali metal or alkaline earth metal or compound thereof
331 ..Silicic material
332 .Physical dimension specified
333 ..In terms of molecular thickness or light wave length
334 ..Coating layer not in excess of 5 mils thick or equivalent
335 ...Up to 3 mils
336 ....1 mil or less

337 ..Of base or substrate
338 ..Monolayer with structurally defined element
339 ..Including synthetic resin or polymer layer or component
340 .Weight per unit area specified (e.g., gms/sq cm, lbs/sq ft, etc.)
341 ..Of coating
342 ...Cellulosic substrate
343 .Adhesive outermost layer
344 ..Next to metal
345 ..Including irradiated or wave energy treated component
346 ..Heat or solvent activated or sealable
347 ...Heat sealable
348 ....Wax containing
349 ....Synthetic resin or polymer
350 ...Water activated
351 ..Including moisture or waterproof component
352 ..With release or antistick coating
353 ..Including a primer layer
354 ..Three or more layers
355 R ..Adhesive compositions
356 ...Including metal or compound thereof or natural rubber
355 RA ...Having readily strippable combined with readily readhearable properties (e.g., stick-ons, etc.)
355 CP ...Including monomer or polymer of carbohydrate (e.g., starch, dextrin, etc.) or protein (e.g., casein, animal protein, etc.) or derivative thereof
355 EP ...Including epoxy group or epoxy polymer
355 AK ...Including aldehyde or ketone condensation polymer (e.g., urea formaldehyde polymer, melamine formaldehyde polymer, etc.)
355 EN ...Including addition polymer from unsaturated monomer
355 BL ....Including addition polymer of diene monomer (e.g., SBR, SIS, etc.)
355 CN ....Including nitrogen containing polymer (e.g., polyacrylonitrile, polymethacrylonitrile, etc.)
355 AC ....Including addition polymer from alpha-beta unsaturated carboxylic acid (e.g., acrylic acid, methacrylic acid, etc.) or derivative thereof
355 N ...Including nitrogen containing condensation polymer (e.g., polyurethane, polyisocyanate, etc.)

357 **COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE, CELL, STRAND, STRAND PORTION, ROD, FILAMENT, MACROSCOPIC FIBER OR MASS THEREOF**

358 .Channel shape
359 .Staple length fiber
360 ..Plural and with bonded intersections only
361 ..With coating or impregnation
362 ..Nonlinear (e.g., crimped, coiled, etc.)
363 .Mica flake
364 .Rod, strand, filament or fiber
365 ..Including textile, cloth or fabric
366 ..Including boron or compound thereof (not as steel)
367 ..Including free carbon or carbide or therewith (not as steel)
368 ...In coating or impregnation
369 ..Nonlinear (e.g., crimped, coiled, etc.)
370 ...Composite
371 ...Helical or coiled
372 ..Including structurally defined particulate matter
373 ..Bicomponent, conjugate, composite or collateral fibers or filaments (i.e., coextruded sheath-core or side-by-side type)
374 ...Fibers or filaments nonconcentric (e.g., side-by-side or eccentric, etc.)
375 ..Coated or with bond, impregnation or core
376 ...Discontinuous or tubular or cellular core
377 ...Wound or wrapped core or coating (i.e., spiral or helical)
378 ...Coating on discrete and individual rods, strands or filaments

379 ...Including metal or compound thereof (excluding glass, ceramic and asbestos)
380 ....Plural coatings
381 .....Free metal in coating
382 .....Natural rubber in coating
383 .....Synthetic resin or polymer in plural coatings, each of different type
384 .....Glass, ceramic or metal oxide in coating
385 ....Metal with weld modifying or stabilizing coating (e.g., flux, slag, producer, etc.)
386 .....Titanium compound in coating
387 .....Silicic material in coating
388 ....Glass or silicic fiber or filament with metal coating
389 ....Metal or metal compound in coating
390 ....Rubber, cellulosic or silicic material in coating
391 ...Silane, silicone or siloxane in coating
392 ...Artificial fiber or filament
393 ....Cellulosic
394 ....Synthetic resin or polymer
395 .....Polyamide, polyimide or polyester
396 ...Impregnation
397 ..Particular cross section
398 ...Tubular or cellular
399 ...Longitudinally varying
400 ...Surface characteristic
401 ..Physical dimension
402 .Particulate matter (e.g., sphere, flake, etc.)
402.2 ..Microcapsule with fluid core (includes liposome)
402.21 ...Solid-walled microcapsule from synthetic polymer
402.22 ....Addition polymer from unsaturated monomers only
402.24 ..Microcapsule with solid core (includes liposome)
403 ..Coated
404 ...Silicic or refractory material containing (e.g., tungsten oxide, glass, cement, etc.)
405 ....Silane, siloxane or silicone coating
406 ....Glass particles or spheres
407 ...Including synthetic resin or polymer
408 **SELF-SUSTAINING CARBON MASS OR LAYER WITH IMPREGNANT OR OTHER LAYER**
409 **SURFACE PROPERTY OR CHARACTERISTIC OF WEB, SHEET OR BLOCK**
410 .Surface modified glass (e.g., tempered, strengthened, etc.)
411.1 **COMPOSITE (NONSTRUCTURAL LAMINATE)**
412 .Of polycarbonate
413 .Of epoxy ether
414 ..As intermediate layer
415 ...Next to glass or quartz
416 ...Next to metal
417 ..Next to glass or quartz
418 ..Next to metal
419 .Of polythioether
420 .Including interfacial reaction product of adjacent layers
421 .Of fluorinated addition polymer from unsaturated monomers
422 ..Addition polymer is perhalogenated
422.8 .Of polyisocyanurate
423.1 .Of polyamidoester (polyurethane, polyisocyanate, polycarbamate, etc.)
423.3 ..Next to second layer of polyamidoester
423.4 ..Next to animal skin or membrane
423.5 ..Next to polyamide (nylon, etc.)
423.7 ..Next to polyester (polyethylene terephthalate, etc.)
423.9 ..Next to natural rubber
424.2 ..Next to addition polymer of ethylenically unsaturated monomer
424.4 ...Ester monomer type (polyvinylacetate, etc.)
424.6 ...Halide monomer type (polyvinyl chloride, etc.)
424.7 ...Nitrile monomer type (polyacrylonitrile, etc.)
424.8 ...Hydrocarbon polymer (polyethylene, polybutadiene, etc.)
425.1 ..Next to cellulosic
425.3 ..Next to aldehyde or ketone condensation product (phenol-aldehyde, etc.)
425.5 ..Next to silicon-containing (silicone, cement, etc.) layer
425.6 ...Quartz or glass
425.8 ..Next to free metal

425.9 ..Particulate metal or metal compound-containing
426 .Of quartz or glass
427 ..Next to a boron containing layer
428 ..Next to another silicon containing layer
429 ...As silicone, silane or siloxane
430 ..Next to polyester (e.g., alkyd)
431 ...Cross-linked polyester (e.g., glycerol maleate-styrene, etc.)
432 ..Next to metal or compound thereof
433 ...Alloy or free metal
434 ....Noble metal containing
435 ..Next to polyamide or polyimide
436 ..Next to aldehyde or ketone condensation product
437 ...Next to acetal of polymerized unsaturated alcohol (e.g., formal butyral, etc.)
438 ..Next to cellulosic
439 ...Cellulosic ester
440 ..Next to natural rubber, gum, oil, rosin, wax, bituminous or tarry residue
441 ..Next to addition polymer from unsaturated monomers
442 ...Ester, halide or nitrile of addition polymer
443 .Of asbestos
444 ..With metal layer
445 ..With cellulosic layer
446 .Of silicon containing (not as silicon alloy)
447 ..As siloxane, silicone or silane
448 ..As intermediate layer
449 ...Paper as both adjacent layers
450 ..Next to metal
451 ..Next to addition polymer from unsaturated monomers, or aldehyde or ketone condensation product
452 ..Next to cellulosic
453 ...Sodium silicate
454 ..Sand, clay or mica (silica excluded)
455 .Of cork
456 ..Including natural oil or gum or rosin (e.g., linoleum, etc.)
457 .Of metal
458 ..Next to polyester, polyamide or polyimide (e.g., alkyd, glue, or nylon, etc.)
459 ...Natural source polyamide (e.g., casein, gelatin, etc.)
460 ..Next to aldehyde or ketone condensation product
461 ..Next to addition polymer from unsaturated monomers
462 ...Including polyene monomers (e.g., butadiene, etc.)
463 ...Ester, halide or nitrile of addition polymer
464 ..Next to cellulosic
465 ..Next to natural rubber
466 ...With natural rubber next to second layer of natural rubber
467 ..Next to natural gum, natural oil, rosin, lac or wax
468 ..Next to bituminous or tarry residue
469 ..Next to metal salt or oxide
470 ...Organo-metallic salt
471 ...Alkali or alkaline earth metal oxide
472 ...Refractory metal salt or oxide
472.1 ....Formed in situ
472.2 ...Aluminum or iron salt or oxide formed in situ
472.3 ...Phosphorus containing metal salt formed in situ
473 .Of animal membrane or skin
473.5 .Of polyimide
474.4 .Of polyamide
474.7 ..Next to second layer of polyamide
474.9 ...At least one layer is nylon type
475.2 ..Next to polyester
475.5 ..Nylon type
475.8 ...Next to addition polymer from unsaturated monomer(s)
476.1 ....Polymer of monoethylenically unsaturated hydrocarbon
476.3 ..Next to addition polymer from unsaturated monomer(s)
476.6 ...Natural source-type polyamide
476.9 ...Polymer of monoethylenically unsaturated hydrocarbon
477.4 ..Next to aldehyde or ketone condensation product
477.7 ..Inorganic-containing or next to inorganic-containing
478.2 ..Natural source-type polyamide (e.g., casein, gelatin, etc.)

478.4 ...Next to cellulosic
478.8 ....Paper
479.3 ..Next to cellulosic
479.6 ...Paper or wood
480 .Of polyester (e.g., alkyd, etc.)
481 ..Next to cellulosic
482 ..Of cross-linked polyester
483 ..Next to addition polymer from unsaturated monomers
484.1 .Of wax or waxy material
485 ..Next to cellulosic
486 ...Cellulosic is paper
487 ....Glassine paper
488.11 ....With pigment or dye (e.g., carbon paper, hectograph paper, etc.)
488.41 .....Having layer over transferable material or on carrier opposite transferable material layer
489 .Of bituminous or tarry residue
490 ..Next to cellulosic
491 ...Paper
492 .Of natural rubber
493 ..Next to second layer of natural rubber
494 ..Next to aldehyde or ketone condensation product or addition polymer from unsaturated monomers
495 ...Including polyene monomers
496 ..Next to cellulosic
497 .Of natural gum, rosin, natural oil or lac
498 ..Next to cellulosic
499 ...Natural oil
500 .Of addition polymer from unsaturated monomers
501 ..Next to an aldehyde or ketone condensation product
502 ...Melamine-aldehyde
503 ....Impregnated or coated cellulosic material
504 ...Amide-aldehyde
505 ....Urea or modified urea-aldehyde
506 ...Phenol-aldehyde
507 ..Next to cellulosic
508 ...Regenerated or modified cellulose
509 ....Addition polymer of hydrocarbon(s) only
510 ....Where addition polymer is an ester or halide
511 ...Paper or wood
512 ....Addition polymer of hydrocarbon(s) only
513 .....Monoethylenically unsaturated
514 ....Ester, halide or nitrile of addition polymer
515 ..Next to second addition polymer from unsaturated monomers
516 ...Monoolefin polymer
517 ....Next to polyene polymer
518 ....Next to vinyl or vinylidene chloride polymer
519 ...Including polyene monomers
520 ...Ester, halide or nitrile of addition polymer
521 ..Polyene monomer-containing
522 ..Ester, halide or nitrile of addition polymer
523 ..Polymer of monoethylenically unsaturated hydrocarbon
524 .Of aldehyde or ketone condensation product
525 ..Next to second aldehyde or ketone condensation product
526 ..Next to cellulosic
527 ...Modified or regenerated cellulose
528 ...Wood
529 ....Phenoplast
530 ...Paper
531 ....Phenoplast
532 .Of carbohydrate
533 ..Of cellulosic next to another carbohydrate
534 ...Cellulosic next to another cellulosic
535 ....Wood or paper
536 ....Regenerated or modified
537.1 ..Of wood
537.5 ..Of paper
537.7 ...Next to layer of metal salt (e.g., plasterboard, etc.)
688 .Of inorganic material
689 ..Metal-compound-containing layer
690 ...Fluroescent, phosphorescent, or luminescent layer
691 ....Halogen-containing
692.1 ...Defined magnetic layer
693.1 ....Next to second metal compound-containing layer
696 ...Halogen-containing
697 ...Layer contains compound(s) of plural metals

698 ...Carbide-, nitride-, or sulfide-containing layer
699 ...Next to second metal-compound-containing layer
700 ....Single crystal
701 ....O-containing metal compound
702 ...O-containing
703 ....Water-settable material (e.g., gypsum, etc.)
704 .Of B, N, P, S, or metal-containing material
539.5 **METAL CONTINUOUS PHASE INTERENGAGED WITH NONMETAL CONTINUOUS PHASE**
540 **IMPREGNATED NATURALLY SOLID PRODUCT (E.G., LEATHER, STONE, ETC.)**
541 .Wood timber product (e.g., piling, post, veneer, etc.)
542.2 **DECORATIVE ARTICLE**
542.4 .Trophy or memento (e.g., preserved artifact, etc.)
542.6 .Constructed from filamentary or flat sheet material
542.8 **ARTICLE OF INTERMEDIATE SHAPE (E.G., BLANK, PARISON, PREFORM, ETC.)**
543 **MISCELLANEOUS (E.G., TREATED SURFACES, ETC.)**

CROSS-REFERENCE ART COLLECTIONS

900 **MAGNETIC FEATURE**
901 **PRINTED CIRCUIT**
902 **HIGH MODULUS FILAMENT OR FIBER**
903 **MICROFIBER (LESS THAN 100 MICRON DIAMETER)**
903.3 **RECYCLED MATERIALS**
904 **ARTIFICIAL LEATHER**
904.4 **WALL AND SHELF COVERING**
905 **ODOR RELEASING MATERIAL**
906 **ROLL OR COIL**
906.6 **EMBROIDERY**
907 **RESISTANT AGAINST PLANT OR ANIMAL ATTACK**
907.7 **LAYER OR ARTICLE RENDERED LIGHT-TRANSMISSIVE BY PRESSURE (E.G., BLUSHED, ETC.)**
908 **IMPRESSION RETENTION LAYER (E.G., PRINT MATRIX, SOUND RECORD, ETC.)**
908.8 **WEAR-RESISTANT LAYER**
909 **RESILIENT LAYER (E.G., PRINTER'S BLANKET, ETC.)**
910 **PRODUCT WITH MOLECULAR ORIENTATION**
911 **PENETRATION RESISTANT LAYER**
912 **PUNCTURE HEALING LAYER**
912.2 **MIRROR**
913 **MATERIAL DESIGNED TO BE RESPONSIVE TO TEMPERATURE, LIGHT, MOISTURE, ETC.**
913.3 **DECORATIVE ARTICLE FOR VIEWING FROM ONE SIDE ONLY (E.G., PLAQUE, ETC.)**
914 **TRANSFER OR DECALCOMANIA**
915 .Fraud or tamper detecting
916 **FRAUD OR TAMPER DETECTING**
917 **ELECTROLUMINESCENT**
918 **MATERIAL ABNORMALLY TRANSPARENT**
919 **CAMOUFLAGED ARTICLE**
920 **FIRE OR HEAT PROTECTION FEATURE**
921 .Fire or flameproofing
922 **STATIC ELECTRICITY METAL BLEED-OFF METALLIC STOCK**
923 .Physical dimension
924 ..Composite
925 ...Relative dimension specified
926 ...Thickness of individual layer specified
.Special properties
927 ..Decorative informative
928 ..Magnetic
929 ..Electrical contact feature
930 ..Electric superconducting
931 ..Components of differing electric conductivity
932 ..Abrasive or cutting feature
933 ..Sacrificial component
.Product by special process
934 ..Electrical process
935 ...Electroplating
936 ..Chemical deposition (e.g., electroless plating, etc.)
937 ..Sprayed metal
938 ..Vapor deposition or gas diffusion
939 ..Molten or fused coating
940 ..Pressure bonding (e.g., explosive, etc.)
941 ..Solid state alloying (e.g., diffusion, to disappearance of an original layer)

FOREIGN ART COLLECTIONS

FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

WEB OR SHEET CONTAINING STRUCTURALLY DEFINED ELEMENT OR COMPONENT (428/221)

FOR 100 .Including noninterengaged strand(s) or strand-portion(s) (428/292)
FOR 101 ..With or in fiber layer (428/293)
FOR 102 ..Parallel (428/294)
FOR 103 ...With coating, impregnation or bond of rubber or elastomeric material (428/295)
FOR 104 .Autogeneously bonded fibers (428/296)
FOR 105 .Including a second component containing structurally defined fibers (428/297)
FOR 106 ..Plural fiber layers (428/298)
FOR 107 ...Intertangled and/or interfitted (428/299)
FOR 108 ....Needled (428/300)
FOR 109 ....With coating, impregnation or bond (428/301)
FOR 110 ...With coating, impregnation or bond (428/302)
FOR 111 ..Physical dimension specified (428/303)
FOR 112 ..Void-containing component has a continuous matrix of fibers only (e.g., porous paper, etc.) (428/311.1)
FOR 113 ...And a force disintegratable component (e.g., stencil sheet, etc.) (428/311.3)
FOR 114 ...Fibers of defined composition (428/311.5)
FOR 115 ....Cellulosic (428/311.7)
FOR 116 .....Plural cellulosic components (428/311.9)
FOR 117 .Discontinuos or differential coating, impregnation or bond (e.g., artwork, printing, retouched photograph, etc.) (428/195)
FOR 118 ..Including paper layer (428/211)
FOR 119 .Of wax or waxy material (428/484)
..Next to cellulosic (428/485)
...Cellulosic is paper (428/486)
FOR 120 ....With pigment or dye (e.g., carbon paper hectograph paper, etc.) (428/488.1)
FOR 121 .....Having layer over transferable material or on carrier opposite transferable material layer (428/488.4)
.Recording medium or carrier (428/64.2)
FOR 122 ..Magneto optical recording medium or carrier (428/64.3)
FOR 123 ..Magnetic recording medium or carrier (428/65.3)
FOR 124 ...Lubricant containing (428/65.4)
FOR 125 ...Protective layer containing (428/65.5)
FOR 126 ...Aluminum containing (428/65.6)
FOR 127 ...Chromium containing (428/65.7)

COMPOSITE (NONSTRUCTURAL LAMINATE) (428/411.1)

.Of inorganic material (428/688)
..Metal-compound-containing layer (428/689)
FOR 128 ...Defined magnetic layer (428/692)
FOR 129 ....Next to second metal-compound-containing layer (428/693)
FOR 130 ....Dynamic recording medium (428/694 R)
FOR 131 .....Magneto optical recording layer (428/694 ML)
FOR 132 ......Specified recording layer composition (428/694 SC)
FOR 133 ....Lanthanoid (428/694 LE)
FOR 134 ....Garnet or magnetoplumbite (428/694 GT)
FOR 135 ....Separate refractive, anti-reflective or protective layer composition (428/694 DE)
FOR 136 ....Pure metal or alloy (428/694 MT)

FOR 137 .....Rare earth (428/694 RE)
FOR 138 .....Nitride, carbide, or fluoride (428/694 NF)
FOR 139 .....Oxide or sulfide (428/694 XS)
FOR 140 .....Reflective layer specified (428/694 RL)
FOR 141 .....With plasma polymerized organic top coat or other adhesive layer (428/694 AH)
FOR 142 .....Multiple magnetic layers (428/694 MM)
FOR 143 .....Exchange coupling (428/694 EC)
FOR 144 .....Magnetically or thermally isolated (428/694 IS)
FOR 145 .....Composition gradient (428/694 GR)
FOR 146 .....Hardness, stress, thermal or electrical coefficients specified (428/694 PR)
FOR 147 .....Microporous layer (428/694 MP)
FOR 148 .....Metal thin film magnetic layer (428/694 T)
FOR 149 .....Specified subbing or underlayer (428/694 TS)
FOR 150 .....Specified back coat layer (428/694 TB)
FOR 151 .....Topcoat, or protective overlayer (428/694 TP)
FOR 152 .....Carbon (428/694 TC)
FOR 153 .....Plasma polymerized (428/694 TZ)
FOR 154 .....Fluorocarbon or organosilicon layer (428/694 TF)
FOR 155 .....Specified surface feature or roughness (428/694 TR)
FOR 156 .....Multiple magnetic layer (428/694 TM)
FOR 157 .....Binder containing magnetic layer (428/694 B)
FOR 158 .....Radiation curable binder (428/694 BC)
FOR 159 .....Organic acid or salt thereof (428/694 BG)
FOR 160 .....Polyurethane binder (428/694 BU)
FOR 161 .....Isocyanate specified (428/694 BY)
FOR 162 .....Polyol specified (428/694 BL)
FOR 163 .....Specified lubricant or protective layer (428/694 BP)
FOR 164 .....Fluorocarbon or organosilicon (428/694 BF)
FOR 165 .....Including subbing or underlayer (428/694 BS)
FOR 166 .....Including back coat layer (428/694 BB)
FOR 167 .....Specified surface feature or roughness (428/694 BR)
FOR 168 .....With non-magnetic particle (428/694 BN)
FOR 169 .....Magnetic particle with specified shape or dimension (428/694 BA)
FOR 170 .....Hexagonal or tabular (428/694 BH)
FOR 171 .....Multiple magnetic layers (428/694 BM)
FOR 172 .....Support composition specified (428/694 ST)
FOR 173 .....Organic material (428/694 SL)
FOR 174 .....Specified surface feature or roughness (428/694 SG)
FOR 175 .....With lubricant in or on layer (428/695)