

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G02 OPTICS (making optical elements or apparatus [B24B](#), [B29D 11/00](#), [C03](#), or other appropriate subclasses or classes; materials [per se](#), [see the relevant places](#), e.g. [C03B](#), [C03C](#))
(NOTE omitted)

G02C SPECTACLES; SUNGLASSES OR GOGGLES INsofar AS THEY HAVE THE SAME FEATURES AS SPECTACLES; CONTACT LENSES (trial frames for testing the eyes [A61B 3/04](#); goggles or eyeshields not having the same features as spectacles [A61F 9/00](#))

NOTE

This subclass also covers monacles, pince-nez or lorgnettes.

| | | | |
|-------------|---|-------------|---|
| 1/00 | Assemblies of lenses with bridges or browbars | 5/04 | . . with adjustable means |
| 1/02 | . Bridge or browbar secured to lenses without the use of rims | 5/045 | . . . {for varying the horizontal distance of the lenses} |
| 1/023 | . . {with lenses secured to the fixing parts by clamping, luting, soldering, gluing without holes or recesses in the lenses (G02C 1/04 - G02C 1/08 take precedence)} | 5/06 | . . with resilient means |
| | | 5/08 | . . foldable |
| | | 5/10 | . . Intermediate bars or bars between bridge and side-members |
| 1/026 | . . {with auxiliary bars (G02C 1/04 - G02C 1/08 take precedence)} | 5/12 | . Nose pads; Nose-engaging surfaces of bridges or rims |
| 1/04 | . Bridge or browbar secured to or integral with partial rims, e.g. with partially-flexible rim for holding lens | 5/122 | . . {with adjustable means} |
| 1/06 | . Bridge or browbar secured to or integral with closed rigid rims for the lenses | 5/124 | . . . {for vertically varying the position of the lenses} |
| 1/08 | . . the rims being transversely split and provided with securing means | 5/126 | . . {exchangeable or otherwise fitted to the shape of the nose} |
| 1/10 | . {Special mounting grooves in the rim or on the lens} | 5/128 | . . {Pince-nez} |
| | | 5/14 | . Side-members |
| 3/00 | Special supporting arrangements for lens assemblies or monacles (lenses therefor G02C 7/00 ; by walking-sticks A45B 3/00) | 5/143 | . . {having special ear pieces} |
| | | 5/146 | . . {having special front end} |
| 3/003 | . {Arrangements for fitting and securing to the head in the position of use} | 5/16 | . . resilient or with resilient parts |
| | | 5/18 | . . reinforced |
| 3/006 | . {Arrangements for fitting and securing to the head or neck not in the position of use} | 5/20 | . . adjustable, e.g. telescopic |
| | | 5/22 | . Hinges (pivotal connection in general F16C 11/00) |
| 3/02 | . Arrangements for supporting by headgear | 5/2209 | . . {Pivot bearings and hinge bolts other than screws} |
| 3/04 | . Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles (by walking-sticks A45B 3/00) | 5/2218 | . . {Resilient hinges} |
| | | 5/2227 | . . . {comprising a fixed hinge member and a coil spring} |
| | | 5/2236 | . . . {comprising a sliding hinge member and a coil spring} |
| 5/00 | Constructions of non-optical parts | 5/2245 | {comprising a sliding box containing a spring} |
| 5/001 | . {specially adapted for particular purposes, not otherwise provided for or not fully classifiable according to technical characteristics, e.g. therapeutic glasses} | 5/2254 | . . . {comprising elastic means other than coil spring} |
| 5/003 | . . {Shooting or aiming glasses} | 5/2263 | . . {Composite hinges, e.g. for varying the inclination of the lenses} |
| 5/005 | . . {Glasses allowing access to one eye, e.g. for make-up application} | 5/2272 | . . {Hinges without well-defined pivot axis} |
| 5/006 | . {Collapsible frames} | 5/2281 | . . {Special hinge screws} |
| 5/008 | . {Spectacles frames characterized by their material, material structure and material properties} | 5/229 | . . {Oblique hinge axis} |
| 5/02 | . Bridges; Browbars; Intermediate bars (nose engaging-surfaces G02C 5/12) | 7/00 | Optical parts (characterised by the material G02B 1/00) |

| | | | |
|-------|---|----------------|---|
| 7/02 | . Lenses; Lens systems {; Methods of designing lenses} | 7/14 | . Mirrors; Prisms |
| 7/021 | . . {with pattern for identification or with cosmetic or therapeutic effects (methods and processes take preference, e.g. printing, marking or copying processes B41M; identification in general G09F 3/00; producing decorative effects in general B44C; surface treatment of glass C03C 15/00 - C03C 23/00; positioning or marking of lenses B24B 13/0055)} | 7/16 | . Shades; shields; Obturators, e.g. with pinhole, with slot {(G02C 5/003 takes precedence)} |
| 7/022 | . . {Ophthalmic lenses having special refractive features achieved by special materials or material structures (G02C 7/049 takes precedence)} | 7/165 | . . {with stenopaic apertures} |
| 7/024 | . . {Methods of designing ophthalmic lenses} | 9/00 | Attaching auxiliary optical parts (auxiliary optical parts per se G02C 7/08 - G02C 7/16) |
| 7/025 | . . . {considering parameters of the viewed object} | 9/02 | . by hinging |
| 7/027 | . . . {considering wearer's parameters} | 9/04 | . by fitting over or clamping on |
| 7/028 | . . . {Special mathematical design techniques} | 11/00 | Non-optical adjuncts; Attachment thereof (G02C 7/16 takes precedence) |
| 7/04 | . . Contact lenses for the eyes (disinfection or sterilisation of contact lenses A61L 12/00) | 11/02 | . Ornaments, e.g. exchangeable |
| 7/041 | . . . {bifocal; multifocal} | 11/04 | . Illuminating means |
| 7/042 | {Simultaneous type} | 11/06 | . Hearing aids (construction of hearing aids H04R 25/00) |
| 7/043 | {Translating type} | 11/08 | . Anti-misting means, e.g. ventilating, heating (H05B 3/84 takes precedence); Wipers |
| 7/044 | {Annular configuration, e.g. pupil tuned} | 11/10 | . {Electronic devices other than hearing aids} |
| 7/045 | {Sectorial configuration} | 11/12 | . {Side shields for protection of the eyes} |
| 7/046 | . . . {Contact lenses having an iris pattern} | 13/00 | Assembling (producing spectacle frames from plastics or from substances in a plastic state B29D 12/02); Repairing; Cleaning (disinfection or sterilisation of contact lenses A61L 12/00) |
| 7/047 | . . . {Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneae} | 13/001 | . {Assembling; Repairing} |
| 7/048 | . . . {Means for stabilising the orientation of lenses in the eye} | 13/003 | . {Measuring during assembly or fitting of spectacles} |
| 7/049 | . . . {Contact lenses having special fitting or structural features achieved by special materials or material structures} | 13/005 | . . {Measuring geometric parameters required to locate ophthalmic lenses in spectacles frames (apparatus for testing or instruments for examining the eyes per se A61B 3/00; machines or devices and accessories for grinding the edges of lenses using spectacles as a template B24B 9/144)} |
| 7/06 | . . bifocal; multifocal {; progressive (G02C 7/041 takes precedence)} | 13/006 | . {Devices specially adapted for cleaning spectacles frame or lenses} |
| 7/061 | . . . {Spectacle lenses with progressively varying focal power} | 13/008 | . {Devices specially adapted for cleaning contact lenses} |
| 7/063 | {Shape of the progressive surface} | 2200/00 | Generic mechanical aspects applicable to one or more of the groups G02C 1/00 - G02C 5/00 and G02C 9/00 - G02C 13/00 and their subgroups |
| 7/065 | {Properties on the principal line} | 2200/02 | . Magnetic means |
| 7/066 | {Shape, location or size of the viewing zones} | 2200/04 | . Junctions between frame elements having a click function |
| 7/068 | {Special properties achieved by the combination of the front and back surfaces} | 2200/06 | . Locking elements |
| 7/08 | . . Auxiliary lenses; Arrangements for varying focal length | 2200/08 | . Modular frames, easily exchangeable frame parts and lenses |
| 7/081 | . . . {Ophthalmic lenses with variable focal length} | 2200/10 | . Frame or frame portions made from wire |
| 7/083 | {Electrooptic lenses} | 2200/12 | . Frame or frame portions made from sheet type material |
| 7/085 | {Fluid-filled lenses, e.g. electro-wetting lenses} | 2200/14 | . Laminated frame or frame portions |
| 7/086 | . . . {Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles} | 2200/16 | . Frame or frame portions made from rubber |
| 7/088 | . . . {Lens systems mounted to spectacles} | 2200/18 | . Adjustment ridges or notches |
| 7/10 | . Filters, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses | 2200/20 | . Friction elements |
| 7/101 | . . {having an electro-optical light valve (electro-optical elements per se G02F)} | 2200/22 | . Leaf spring |
| 7/102 | . . {Photochromic filters} | 2200/24 | . Coil spring pulled upon actuation |
| 7/104 | . . {having spectral characteristics for purposes other than sun-protection} | 2200/26 | . Coil spring pushed upon actuation |
| 7/105 | . . {having inhomogeneously distributed colouring} | 2200/28 | . Coil spring twisted upon actuation |
| 7/107 | . . {Interference colour filters} | 2200/30 | . Piston |
| 7/108 | . . {Colouring materials} | 2200/32 | . Oblong hole |
| 7/12 | . . Polarisers | 2202/00 | Generic optical aspects applicable to one or more of the subgroups of G02C 7/00 |

G02C

- 2202/02 . Mislocation tolerant lenses or lens systems
- 2202/04 . Lenses comprising decentered structures
- 2202/06 . Special ophthalmologic or optometric aspects
- 2202/08 . Series of lenses, lens blanks
- 2202/10 . Optical elements and systems for visual disorders other than refractive errors, low vision
- 2202/12 . Locally varying refractive index, gradient index lenses
- 2202/14 . Photorefractive lens material
- 2202/16 . Laminated or compound lenses
- 2202/18 . Cellular lens surfaces
- 2202/20 . Diffractive and Fresnel lenses or lens portions
- 2202/22 . Correction of higher order and chromatic aberrations, wave front measurement and calculation
- 2202/24 . Myopia progression prevention