

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
		5/143	. . {having special ear pieces}
3/00	Special supporting arrangements for lens assemblies or monacles (lenses therefor G02C 7/00 ; by walking-sticks A45B 3/00)	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
3/006	. {Arrangements for fitting and securing to the head or neck not in the position of use}	5/18	. . reinforced
3/02	. Arrangements for supporting by headgear	5/20	. . adjustable, e.g. telescopic
3/04	. Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles (by walking-sticks A45B 3/00)	5/22	. Hinges (pivotal connection in general F16C 11/00)
		5/2209	. . {Pivot bearings and hinge bolts other than screws}
		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}
- 7/021 . . {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)}
- 7/022 . . {Ophthalmic lenses having special refractive features achieved by special materials or material structures (G02C 7/049 takes precedence)}
- 7/024 . . {Methods of designing ophthalmic lenses}
- 7/025 . . . {considering parameters of the viewed object}
- 7/027 . . . {considering wearer's parameters}
- 7/028 . . . {Special mathematical design techniques}
- 7/04 . . Contact lenses for the eyes (disinfection or sterilisation of contact lenses A61L 12/00)
- 7/041 . . . {bifocal; multifocal}
- 7/042 {Simultaneous type}
- 7/043 {Translating type}
- 7/044 {Annular configuration, e.g. pupil tuned}
- 7/045 {Sectorial configuration}
- 7/046 . . . {Contact lenses having an iris pattern}
- 7/047 . . . {Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneae}
- 7/048 . . . {Means for stabilising the orientation of lenses in the eye}
- 7/049 . . . {Contact lenses having special fitting or structural features achieved by special materials or material structures}
- 7/06 . . bifocal; multifocal {; progressive (G02C 7/041 takes precedence)}
- 7/061 . . . {Spectacle lenses with progressively varying focal power}
- 7/063 {Shape of the progressive surface}
- 7/065 {Properties on the principal line}
- 7/066 {Shape, location or size of the viewing zones}
- 7/068 {Special properties achieved by the combination of the front and back surfaces}
- 7/08 . . Auxiliary lenses; Arrangements for varying focal length
- 7/081 . . . {Ophthalmic lenses with variable focal length}
- 7/083 {Electrooptic lenses}
- 7/085 {Fluid-filled lenses, e.g. electro-wetting lenses}
- 7/086 . . . {Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles}
- 7/088 . . . {Lens systems mounted to spectacles}
- 7/10 . Filters, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses
- 7/101 . . {having an electro-optical light valve (electro-optical elements per se G02F)}
- 7/102 . . {Photochromic filters}
- 7/104 . . {having spectral characteristics for purposes other than sun-protection}
- 7/105 . . {having inhomogeneously distributed colouring}
- 7/107 . . {Interference colour filters}
- 7/108 . . {Colouring materials}
- 7/12 . . Polarisers
- 7/14 . Mirrors; Prisms
- 7/16 . Shades; shields; Obturators, e.g. with pinhole, with slot {(G02C 5/003 takes precedence)}
- 7/165 . . {with stenopaic apertures}
- 9/00 Attaching auxiliary optical parts (auxiliary optical parts per se G02C 7/08 - G02C 7/16)**
- 9/02 . by hinging
- 9/04 . by fitting over or clamping on
- 11/00 Non-optical adjuncts; Attachment thereof (G02C 7/16 takes precedence)**
- 11/02 . Ornaments, e.g. exchangeable
- 11/04 . Illuminating means
- 11/06 . Hearing aids (construction of hearing aids H04R 25/00)
- 11/08 . Anti-misting means, e.g. ventilating, heating (H05B 3/84 takes precedence); Wipers
- 11/10 . {Electronic devices other than hearing aids}
- 11/12 . {Side shields for protection of the eyes}
- 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)**
- 13/001 . {Assembling; Repairing}
- 13/003 . {Measuring during assembly or fitting of spectacles}
- 13/005 . . {Measuring geometric parameters required to locate ophthalmic lenses in spectacle 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)}
- 13/006 . {Devices specially adapted for cleaning spectacles frame or lenses}
- 13/008 . {Devices specially adapted for cleaning contact lenses}
- 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**
- 2200/02 . Magnetic means
- 2200/04 . Junctions between frame elements having a click function
- 2200/06 . Locking elements
- 2200/08 . Modular frames, easily exchangeable frame parts and lenses
- 2200/10 . Frame or frame portions made from wire
- 2200/12 . Frame or frame portions made from sheet type material
- 2200/14 . Laminated frame or frame portions
- 2200/16 . Frame or frame portions made from rubber
- 2200/18 . Adjustment ridges or notches
- 2200/20 . Friction elements
- 2200/22 . Leaf spring
- 2200/24 . Coil spring pulled upon actuation
- 2200/26 . Coil spring pushed upon actuation
- 2200/28 . Coil spring twisted upon actuation
- 2200/30 . Piston
- 2200/32 . Oblong hole
- 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