

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS (NOTES omitted)

### INSTRUMENTS

#### G02 OPTICS (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 monocles, pince-nez or lorgnettes.

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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

- 5/2263 . . {Composite hinges, e.g. for varying the inclination of the lenses}
- 5/2272 . . {Hinges without well-defined pivot axis}
- 5/2281 . . {Special hinge screws}
- 5/229 . . {Oblique hinge axis}
- 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](#); 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 \[G02E\]\(#\)](#))}
- 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

## G02C

- 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](#)

- 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