

# 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.

- |             |   |        |   |
|-------------|---|--------|---|
| <b>1/00</b> | <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</a> - <a href="#">G02C 1/08</a> take precedence)} | 5/04   | . . with adjustable means   |
| 1/026       | . . {with auxiliary bars ( <a href="#">G02C 1/04</a> - <a href="#">G02C 1/08</a> take precedence)}  | 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  |
| <b>3/00</b> | <b>Special supporting arrangements for lens assemblies or monocles (<a href="#">lenses therefor G02C 7/00</a>; <a href="#">by walking-sticks 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  |
| <b>5/00</b> | <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}	7/101	. . {having an electro-optical light valve ( <a href="#">electro-optical elements per se G02F</a> )}
5/2272	. . {Hinges without well-defined pivot axis}	7/102	. . {Photochromic filters}
5/2281	. . {Special hinge screws}	7/104	. . {having spectral characteristics for purposes other than sun-protection}
5/229	. . {Oblique hinge axis}	7/105	. . {having inhomogeneously distributed colouring}
<b>7/00</b>	<b>Optical parts (characterised by the material <a href="#">G02B 1/00</a>)</b>	7/107	. . {Interference colour filters}
7/02	. Lenses; Lens systems {; Methods of designing lenses}	7/108	. . {Colouring materials}
7/021	. . {with pattern for identification or with cosmetic or therapeutic effects ( <a href="#">methods and processes take preference, e.g. printing, marking or copying processes B41M</a> ; identification in general <a href="#">G09F 3/00</a> ; producing decorative effects in general <a href="#">B44C</a> ; surface treatment of glass <a href="#">C03C 15/00</a> - <a href="#">C03C 23/00</a> ; positioning or marking of lenses <a href="#">B24B 13/0055</a> )}	7/12	. Polarisers
7/022	. . {Ophthalmic lenses having special refractive features achieved by special materials or material structures ( <a href="#">G02C 7/049 takes precedence</a> )}	7/14	. Mirrors; Prisms
7/024	. . {Methods of designing ophthalmic lenses}	7/16	. Shades; shields; Obturators, e.g. with pinhole, with slot {( <a href="#">G02C 5/003 takes precedence</a> )}
7/025	. . . {considering parameters of the viewed object}	7/165	. . {with stenopaic apertures}
7/027	. . . {considering wearer's parameters}	<b>9/00</b>	<b>Attaching auxiliary optical parts (auxiliary optical parts per se <a href="#">G02C 7/08</a> - <a href="#">G02C 7/16</a>)</b>
7/028	. . . {Special mathematical design techniques}	9/02	. by hinging
7/04	. . Contact lenses for the eyes ( <a href="#">disinfection or sterilisation of contact lenses A61L 12/00</a> )	9/04	. by fitting over or clamping on
7/041	. . . {bifocal; multifocal}	<b>11/00</b>	<b>Non-optical adjuncts; Attachment thereof (<a href="#">G02C 7/16 takes precedence</a>)</b>
7/042	. . . . {Simultaneous type}	11/02	. Ornaments, e.g. exchangeable
7/043	. . . . {Translating type}	11/04	. Illuminating means
7/044	. . . . {Annular configuration, e.g. pupil tuned}	11/06	. Hearing aids ( <a href="#">construction of hearing aids H04R 25/00</a> )
7/045	. . . . {Sectorial configuration}	11/08	. Anti-misting means, e.g. ventilating, heating ( <a href="#">H05B 3/84 takes precedence</a> ); Wipers
7/046	. . . {Contact lenses having an iris pattern}	11/10	. {Electronic devices other than hearing aids}
7/047	. . . {Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneae}	11/12	. {Side shields for protection of the eyes}
7/048	. . . {Means for stabilising the orientation of lenses in the eye}	<b>13/00</b>	<b>Assembling (producing spectacle frames from plastics or from substances in a plastic state <a href="#">B29D 12/02</a>); Repairing; Cleaning (<a href="#">disinfection or sterilisation of contact lenses A61L 12/00</a>)</b>
7/049	. . . {Contact lenses having special fitting or structural features achieved by special materials or material structures}	13/001	. {Assembling; Repairing}
7/06	. . bifocal; multifocal {; progressive ( <a href="#">G02C 7/041 takes precedence</a> )}	13/003	. {Measuring during assembly or fitting of spectacles}
7/061	. . . {Spectacle lenses with progressively varying focal power}	13/005	. . {Measuring geometric parameters required to locate ophthalmic lenses in spectacles frames ( <a href="#">apparatus for testing or instruments for examining the eyes per se A61B 3/00</a> ; machines or devices and accessories for grinding the edges of lenses using spectacles as a template <a href="#">B24B 9/144</a> )}
7/063	. . . . {Shape of the progressive surface}	13/006	. {Devices specially adapted for cleaning spectacles frame or lenses}
7/065	. . . . . {Properties on the principal line}	13/008	. {Devices specially adapted for cleaning contact lenses}
7/066	. . . . . {Shape, location or size of the viewing zones}	<b>2200/00</b>	<b>Generic mechanical aspects applicable to one or more of the groups <a href="#">G02C 1/00</a> - <a href="#">G02C 5/00</a> and <a href="#">G02C 9/00</a> - <a href="#">G02C 13/00</a> and their subgroups</b>
7/068	. . . . {Special properties achieved by the combination of the front and back surfaces}	2200/02	. Magnetic means
7/08	. . Auxiliary lenses; Arrangements for varying focal length	2200/04	. Junctions between frame elements having a click function
7/081	. . . {Ophthalmic lenses with variable focal length}	2200/06	. Locking elements
7/083	. . . . {Electrooptic lenses}	2200/08	. Modular frames, easily exchangeable frame parts and lenses
7/085	. . . . {Fluid-filled lenses, e.g. electro-wetting lenses}	2200/10	. Frame or frame portions made from wire
7/086	. . . {Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles}	2200/12	. Frame or frame portions made from sheet type material
7/088	. . . {Lens systems mounted to spectacles}	2200/14	. Laminated frame or frame portions
7/10	. Filters, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses	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