

# 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.

#### 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>	5/006	. {Collapsible frames}
1/02	. Bridge or browbar secured to lenses without the use of rims	5/008	. {Spectacles frames characterized by their material, material structure and material properties}
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)}	5/02	. Bridges; Browbars; Intermediate bars ( <a href="#">nose engaging-surfaces G02C 5/12</a> )
1/026	. . {with auxiliary bars ( <a href="#">G02C 1/04</a> - <a href="#">G02C 1/08</a> take precedence)}	5/04	. . with adjustable means
1/04	. Bridge or browbar secured to or integral with partial rims, e.g. with partially-flexible rim for holding lens	5/045	. . . {for varying the horizontal distance of the lenses}
1/06	. Bridge or browbar secured to or integral with closed rigid rims for the lenses	5/06	. . with resilient means
1/08	. . the rims being transversely split and provided with securing means	5/08	. . foldable
1/10	. {Special mounting grooves in the rim or on the lens}	5/10	. . Intermediate bars or bars between bridge and side-members
<b>3/00</b>	<b>Special supporting arrangements for lens assemblies or monacles</b> (lenses therefor <a href="#">G02C 7/00</a> ; by walking-sticks <a href="#">A45B 3/00</a> )	5/12	. Nose pads; Nose-engaging surfaces of bridges or rims
3/003	. {Arrangements for fitting and securing to the head in the position of use}	5/122	. . {with adjustable means}
3/006	. {Arrangements for fitting and securing to the head or neck not in the position of use}	5/124	. . . {for vertically varying the position of the lenses}
3/02	. Arrangements for supporting by headgear	5/126	. . {exchangeable or otherwise fitted to the shape of the nose}
3/04	. Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles (by walking-sticks <a href="#">A45B 3/00</a> )	5/128	. . {Pince-nez}
<b>5/00</b>	<b>Constructions of non-optical parts</b>	5/14	. Side-members
5/001	. {specially adapted for particular purposes, not otherwise provided for or not fully classifiable according to technical characteristics, e.g. therapeutic glasses}	5/143	. . {having special ear pieces}
5/003	. . {Shooting or aiming glasses}	5/146	. . {having special front end}
5/005	. . {Glasses allowing access to one eye, e.g. for make-up application}	5/16	. . resilient or with resilient parts
		5/18	. . reinforced
		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}	7/10	. Filters, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses
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 (disinfection or sterilisation of contact lenses <a href="#">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 (apparatus for testing or instruments for examining the eyes per se <a href="#">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
		2200/16	. Frame or frame portions made from rubber



## G02C

- 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](#)**

- 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