

**CPC****COOPERATIVE PATENT CLASSIFICATION****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.

**G02C 1/00****Assemblies of lenses with bridges or browbars**[G02C 1/02](#)

- . Bridge or browbar secured to lenses without the use of rims

[G02C 1/023](#)

- .. { with lenses secured to the fixing parts by clamping, luting, soldering, gluing without holes or recesses in the lenses ([G02C 1/04](#) to [G02C 1/08](#) take precedence)}

[G02C 1/026](#)

- .. {with auxiliary bars ([G02C 1/04](#) to [G02C 1/08](#) take precedence)}

[G02C 1/04](#)

- . Bridge or browbar secured to or integral with partial rims, e.g. with partially-flexible rim for holding lens

[G02C 1/06](#)

- . Bridge or browbar secured to or integral with closed rigid rims for the lenses

[G02C 1/08](#)

- .. the rims being transversely split and provided with securing means

[G02C 1/10](#)

- . { Special mounting grooves in the rim or on the lens}

**G02C 3/00****Special supporting arrangements for lens assemblies or monacles** ([lenses therefor G02C 7/00](#); by walking-sticks [A45B 3/00](#))[G02C 3/003](#)

- . { Arrangements for fitting and securing to the head in the position of use}

[G02C 3/006](#)

- . { Arrangements for fitting and securing to the head or neck not in the position of use}

[G02C 3/02](#)

- . Arrangements for supporting by headgear

[G02C 3/04](#)

- . Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles ([by walking-sticks A45B 3/00](#))

**G02C 5/00****Construction of non-optical parts**[G02C 5/001](#)

- . {specially adapted for particular purposes, not otherwise provided for or not fully classifiable according to technical characteristics, e.g. therapeutic glasses}

[G02C 5/003](#)

- .. {Shooting or aiming glasses}

[G02C 5/005](#)

- .. {Glasses allowing access to one eye, e.g. for make-up application}

- G02C 5/006 . {Collapsible frames}
- G02C 5/008 . { Spectacles frames characterized by their material, material structure and material properties}
- G02C 5/02 . Bridges; Browbars; Intermediate bars ([nose engaging-surfaces G02C 5/12](#))
- G02C 5/04 . . with adjustable means
- G02C 5/045 . . . {for varying the horizontal distance of the lenses}
- G02C 5/06 . . with resilient means
- G02C 5/08 . . foldable
- G02C 5/10 . . Intermediate bars or bars between bridge and side-members
- G02C 5/12 . Nose pads; Nose-engaging surfaces of bridges or rims
- G02C 5/122 . . {with adjustable means}
- G02C 5/124 . . . {for vertically varying the position of the lenses}
- G02C 5/126 . . { exchangeable or otherwise fitted to the shape of the nose}
- G02C 5/128 . . { Pince-nez}
- G02C 5/14 . Side-members
- G02C 5/143 . . { having special ear pieces}
- G02C 5/146 . . { having special front end}
- G02C 5/16 . . resilient or with resilient parts
- G02C 5/18 . . reinforced
- G02C 5/20 . . adjustable, e.g. telescopic
- G02C 5/22 . Hinges ([pivotal connection in general F16C 11/00](#))
- G02C 5/2209 . . { Pivot bearings and hinge bolts other than screws}
- G02C 5/2218 . . {Resilient hinges}
- G02C 5/2227 . . . { comprising a fixed hinge member and a coil spring}
- G02C 5/2236 . . . { comprising a sliding hinge member and a coil spring}
- G02C 5/2245 . . . . { comprising a sliding box containing a spring}
- G02C 5/2254 . . . { comprising elastic means other than coil spring}
- G02C 5/2263 . . {Composite hinges, e.g. for varying the inclination of the lenses}
- G02C 5/2272 . . { Hinges without well-defined pivot axis}
- G02C 5/2281 . . { Special hinge screws}
- G02C 5/229 . . { Oblique hinge axis}
- G02C 7/00** **Optical parts** ([characterised by the material G02B 1/00](#))
- G02C 7/02 . Lenses; Lens systems; { Methods of designing lenses}

- G02C 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](#) to [C03C 23/00](#); positioning or marking of lenses [B24B 13/0055](#))}
- G02C 7/022 .. { Ophthalmic lenses having special refractive features achieved by special materials or material structures ([G02C 7/049](#) takes precedence)}
- G02C 7/024 .. { Methods of designing ophthalmic lenses}
- G02C 7/025 ... { considering parameters of the viewed object}
- G02C 7/027 ... { considering wearer's parameters}
- G02C 7/028 ... { Special mathematical design techniques}
- G02C 7/04 .. Contact lenses for the eyes (disinfection or sterilisation of contact lenses [A61L 12/00](#))
- G02C 7/041 ... {bifocal; multifocal}
- G02C 7/042 .... { Simultaneous type}
- G02C 7/043 .... { Translating type}
- G02C 7/044 .... { Annular configuration, e.g. pupil tuned}
- G02C 7/045 .... { Sectorial configuration}
- G02C 7/046 ... { Contact lenses having an iris pattern}
- G02C 7/047 ... { Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneae}
- G02C 7/048 ... { Means for stabilising the orientation of lenses in the eye}
- G02C 7/049 ... { Contact lenses having special fitting or structural features achieved by special materials or material structures}
- G02C 7/06 .. bifocal; multifocal; { progressive ([G02C 7/041](#) takes precedence)}
- G02C 7/061 ... { Spectacle lenses with progressively varying focal power}
- G02C 7/063 .... { Shape of the progressive surface}
- G02C 7/065 ..... { Properties on the principal line}
- G02C 7/066 ..... { Shape, location or size of the viewing zones}
- G02C 7/068 .... { Special properties achieved by the combination of the front and back surfaces}
- G02C 7/08 .. Auxiliary lenses; Arrangements for varying focal length
- G02C 7/081 ... { Ophthalmic lenses with variable focal length}
- G02C 7/083 .... { Electrooptic lenses}
- G02C 7/085 .... { Fluid-filled lenses, e.g. electro-wetting lenses}
- G02C 7/086 ... { Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles}
- G02C 7/088 ... { Lens systems mounted to spectacles}
- G02C 7/10 . Filter, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses
- G02C 7/101 .. {having an electro-optical light valve (electro-optical elements per se [G02F](#))}
- G02C 7/102 .. { Photochromic filters}
- G02C 7/104 .. { having spectral characteristics for purposes other than sun-protection}

- G02C 7/105 . . { having inhomogeneously distributed colouring}
- G02C 7/107 . . { Interference colour filters}
- G02C 7/108 . . { Colouring materials}
  
- G02C 7/12 . . Polarisers
  
- G02C 7/14 . . Mirrors; Prisms
  
- G02C 7/16 . . Shades; shields; Obturators, e.g. with pinhole, with slot {(G02C 5/003 takes precedence)}
- G02C 7/165 . . {with stenopaeic apertures}
  
- G02C 9/00** **Attaching auxiliary optical parts** (auxiliary optical parts per se [G02C 7/08](#) to [G02C 7/16](#))
  
- G02C 9/02 . . by hinging
- G02C 9/04 . . by fitting over or clamping on
  
- G02C 11/00** **Non-optical adjuncts; Attachment thereof** ([G02C 7/16](#) takes precedence)
  
- G02C 11/02 . . Ornaments, e.g. exchangeable
- G02C 11/04 . . Illuminating means
- G02C 11/06 . . Hearing aids ([construction of hearing aids H04R 25/00](#))
- G02C 11/08 . . Anti-misting means, e.g. ventilating, heating ([H05B 3/84](#) takes precedence); Wipers
- G02C 11/10 . . { Electronic devices other than hearing aids}
- G02C 11/12 . . { Side shields for protection of the eyes}
  
- G02C 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](#))
  
- G02C 13/001 . . { Assembling; Repairing}
- G02C 13/003 . . { Measuring during assembly or fitting of spectacles}
- G02C 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](#))}
  
- G02C 13/006 . . { Devices specially adapted for cleaning spectacle frame or lenses}
- G02C 13/008 . . { Devices specially adapted for cleaning contact lenses}

**G02C 2200/00**      **Generic mechanical aspects applicable to one or more of the groups [G02C 1/00](#) to [G02C 5/00](#) and [G02C 9/00](#) to [G02C 13/00](#) and their subgroups**

- [G02C 2200/02](#)      . Magnetic means
- [G02C 2200/04](#)      . Junctions between frame elements having a click function
- [G02C 2200/06](#)      . Locking elements
- [G02C 2200/08](#)      . Modular frames, easily exchangeable frame parts and lenses
- [G02C 2200/10](#)      . Frame or frame portions made from wire
- [G02C 2200/12](#)      . Frame or frame portions made from sheet type material
- [G02C 2200/14](#)      . Laminated frame or frame portions
- [G02C 2200/16](#)      . Frame or frame portions made from rubber
- [G02C 2200/18](#)      . Adjustment ridges or notches
- [G02C 2200/20](#)      . Friction elements
- [G02C 2200/22](#)      . Leaf spring
- [G02C 2200/24](#)      . Coil spring pulled upon actuation
- [G02C 2200/26](#)      . Coil spring pushed upon actuation
- [G02C 2200/28](#)      . Coil spring twisted upon actuation
- [G02C 2200/30](#)      . Piston
- [G02C 2200/32](#)      . Oblong hole

**G02C 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
- [G02C 2202/04](#)      . Lenses comprising decentered structures
- [G02C 2202/06](#)      . Special ophthalmologic or optometric aspects
- [G02C 2202/08](#)      . Series of lenses, lens blanks
- [G02C 2202/10](#)      . Optical elements and systems for visual disorders other than refractive errors, low vision

- G02C 2202/12 . Locally varying refractive index, gradient index lenses
- G02C 2202/14 . Photorefractive lens material
- G02C 2202/16 . Laminated or compound lenses
- G02C 2202/18 . Cellular lens surfaces
- G02C 2202/20 . Diffractive and Fresnel lenses or lens portions
- G02C 2202/22 . Correction of higher order and chromatic aberrations, wave front measurement and calculation
- G02C 2202/24 . Myopia progression prevention