

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 spectacles 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