

**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.

**Guidance heading:****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 ophtalmic lenses in spectacles 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 }
- Guidance heading:**
- 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

**Guidance heading:**

- 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