

**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 ( <a href="#">G02C 7/041</a> 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 ( <a href="#">electro-optical elements per se G02F</a> )}
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 ({ <a href="#">G02C 5/003</a> takes precedence})
G02C 7/165	. . {with stenopaeic apertures}
<b>G02C 9/00</b>	<b>Attaching auxiliary optical parts</b> ( <a href="#">auxiliary optical parts per se G02C 7/08 to G02C 7/16</a> )
G02C 9/02	. by hinging
G02C 9/04	. by fitting over or clamping on
<b>G02C 11/00</b>	<b>Non-optical adjuncts; Attachment thereof</b> ( <a href="#">G02C 7/16</a> takes precedence)
G02C 11/02	. Ornaments, e.g. exchangeable

G02C 11/04	• Illuminating means
G02C 11/06	• Hearing aids ( <a href="#">construction of hearing aids H04R 25/00</a> )
G02C 11/08	• Anti-misting means, e.g. ventilating, heating ( <a href="#">H05B 3/84</a> takes precedence); Wipers
G02C 11/10	• {Electronic devices other than hearing aids}
G02C 11/12	• {Side shields for protection of the eyes}
<b>G02C 13/00</b>	<b>Assembling</b> ( <a href="#">producing spectacle frames from plastics or from substances in a plastic state B29D 12/02</a> ); <b>Repairing; Cleaning</b> ( <a href="#">disinfection or sterilisation of contact lenses A61L 12/00</a> )
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 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> )}
G02C 13/006	• {Devices specially adapted for cleaning spectacles frame or lenses}
G02C 13/008	• {Devices specially adapted for cleaning contact lenses}
<b>G02C 2200/00</b>	<b>Generic mechanical aspects applicable to one or more of the groups <a href="#">G02C 1/00</a> to <a href="#">G02C 5/00</a> and <a href="#">G02C 9/00</a> to <a href="#">G02C 13/00</a> and their subgroups</b>
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
<b>G02C 2202/00</b>	<b>Generic optical aspects applicable to one or more of the subgroups of <a href="#">G02C 7/00</a></b>
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