

**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 stenopaedic 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 takes precedence</a> ); Wipers
G02C 11/10	. { <a href="#">Electronic devices other than hearing aids</a> }
G02C 11/12	. { <a href="#">Side shields for protection of the eyes</a> }
<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	. { <a href="#">Assembling; Repairing</a> }
G02C 13/003	. { <a href="#">Measuring during assembly or fitting of spectacles</a> }
G02C 13/005	. . { <a href="#">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)</a> }
G02C 13/006	. { <a href="#">Devices specially adapted for cleaning spectacles frame or lenses</a> }
G02C 13/008	. { <a href="#">Devices specially adapted for cleaning contact lenses</a> }
<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