COOPERATIVE PATENT CLASSIFICATION

**G** PHYSICS

(INOTES omitted)

**INSTRUMENTS**

**G02** OPTICS

(NOTE omitted)

**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 monocles, pince-nez or lorgnettes.

**WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Assemblies of lenses with bridges or browbars

1/02 . Bridge or browbar secured to lenses without the use of rims

1/023 . . [with lenses secured to the fixing parts by clamping, luting, soldering, gluing without holes or recesses in the lenses (G02C 1/04 - G02C 1/08 take precedence)]

1/026 . . [with auxiliary bars (G02C 1/04 - G02C 1/08 take precedence)]

1/04 . Bridge or browbar secured to or integral with partial rims, e.g. with partially-flexible rim for holding lens

1/06 . Bridge or browbar secured to or integral with closed rigid rims for the lenses

1/08 . . the rims being tranversely split and provided with securing means

1/10 . . [Special mounting grooves in the rim or on the lens]

3/00 Special supporting arrangements for lens assemblies or monocles (lenses therefor G02C 7/00; by walking-sticks A45B 3/00)

3/003 . . [Arrangements for fitting and securing to the head in the position of use]

3/006 . . [Arrangements for fitting and securing to the head or neck not in the position of use]

3/02 . Arrangements for supporting by headgear

3/04 . Arrangements for supporting by hand, e.g. lorgnette, Arrangements for supporting by articles (by walking-sticks A45B 3/00)

5/00 Constructions of non-optical parts

5/001 . . [specially adapted for particular purposes, not otherwise provided for or not fully classifiable according to technical characteristics, e.g. therapeutic glasses]

5/003 . . [Shooting or aiming glasses]

5/005 . . [Glasses allowing access to one eye, e.g. for make-up application]

5/006 . . [Collapsible frames]

5/008 . . [Spectacles frames characterized by their material, material structure and material properties]

5/02 . . Bridges; Browbars; Intermediate bars (nose engaging-surfaces G02C 5/12)

5/04 . . . with adjustable means

5/045 . . . . [for varying the horizontal distance of the lenses]

5/06 . . with resilient means

5/08 . . foldable

5/10 . . Intermediate bars or bars between bridge and side-members

5/12 . . Nose pads; Nose-engaging surfaces of bridges or rims

5/122 . . . . [with adjustable means]

5/124 . . . . [for vertically varying the position of the lenses]

5/126 . . . . [exchangeable or otherwise fitted to the shape of the nose]

5/128 . . . [Pince-nez]

5/14 . . Side-members

5/143 . . . [having special ear pieces]

5/146 . . . [having special front end]

5/16 . . . resilient or with resilient parts

5/18 . . reinforced

5/20 . . . adjustable, e.g. telescopic

5/22 . . Hinges (pivotal connection in general F16C 11/00)

5/2209 . . . [Pivot bearings and hinge bolts other than screws]

5/2218 . . . [Resilient hinges]

5/2227 . . . . [comprising a fixed hinge member and a coil spring]

5/2236 . . . . [comprising a sliding hinge member and a coil spring]

5/2245 . . . . [comprising a sliding box containing a spring]

5/2254 . . . . [comprising elastic means other than coil spring]
5/2263 . . [Composite hinges, e.g. for varying the inclination of the lenses]
5/2272 . . [Hinges without well-defined pivot axis]
5/2281 . . [Special hinge screws]
5/229 . . [Oblique hinge axis]

7/00 Optical parts (characterised by the material G02B 1/00)
7/02 . . Lenses; Lens systems { Methods of designing lenses]
7/021 . . [with pattern for identification or with cosmetic or therapeutic effects (methods and processes take precedence, 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 - C03C 23/00: positioning or marking of lenses B24B 13/0055)
7/022 . . [Ophthalmic lenses having special refractive features achieved by special materials or material structures (G02C 7/049 takes precedence)]
7/024 . . [Methods of designing ophthalmic lenses]
7/025 . . [considering parameters of the viewed object]
7/027 . . [considering wearer's parameters]
7/028 . . [Special mathematical design techniques]
7/04 . . Contact lenses for the eyes (disinfection or sterilisation of contact lenses A61L 12/00)
7/041 . . [bifocal; multifocal]
7/042 . . [Simultaneous type]
7/043 . . [Translating type]
7/044 . . [Annular configuration, e.g. pupil tuned]
7/045 . . [Sectorial configuration]
7/046 . . [Contact lenses having an iris pattern]
7/047 . . [Contact lens fitting; Contact lenses for orthokeratology; Contact lenses for specially shaped corneas]
7/048 . . [Means for stabilising the orientation of lenses in the eye]
7/049 . . [Contact lenses having special fitting or structural features achieved by special materials or material structures]
7/06 . . bifocal; multifocal [: progressive (G02C 7/041 takes precedence)]
7/061 . . [Spectacle lenses with progressively varying focal power]
7/063 . . . . [Shape of the progressive surface]
7/065 . . . . [Properties on the principal line]
7/066 . . . . [Shape, location or size of the viewing zones]
7/068 . . . . [Special properties achieved by the combination of the front and back surfaces]
7/08 . . Auxiliary lenses; Arrangements for varying focal length
7/081 . . [Ophthalmic lenses with variable focal length]
7/083 . . . . [Electrooptic lenses]
7/085 . . . . [Fluid-filled lenses, e.g. electro-wetting lenses]
7/086 . . . . [Auxiliary lenses located directly on a main spectacle lens or in the immediate vicinity of main spectacles]
7/088 . . . . [Lens systems mounted to spectacles]
7/10 . . Filters, e.g. for facilitating adaptation of the eyes to the dark; Sunglasses

7/101 . . [having an electro-optical light valve (electro-optical elements per se G02F)]
7/102 . . [Photochromic filters]
7/104 . . [having spectral characteristics for purposes other than sun-protection]
7/105 . . [having inhomogeneously distributed colouring]
7/107 . . [Interference colour filters]
7/108 . . [Colouring materials]
7/12 . . Polarisers
7/14 . . Mirrors; Prisms
7/16 . . Shades; shields; Obturators, e.g. with pinhole, with slot ([G02C 5/002) takes precedence])
7/165 . . [with stenopaic apertures]

9/00 Attaching auxiliary optical parts (auxiliary optical parts per se G02C 7/08 - G02C 7/16)
9/02 . . by hinging
9/04 . . by fitment over or clamping on

11/00 Non-optical adjuncts; Attachment thereof (G02C 7/16 takes precedence)
11/02 . . Ornaments, e.g. exchangeable
11/04 . . Illuminating means
11/06 . . Hearing aids (construction of hearing aids H04R 25/00)
11/08 . . Anti-misting means, e.g. ventilating, heating (H05B 3/84 takes precedence); Wipers
11/10 . . [Electronic devices other than hearing aids]
11/12 . . [Side shields for protection of the eyes]

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)
13/001 . . [Assembling; Repairing]
13/003 . . [Measuring during assembly or fitting of spectacles]
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 grading the edges of lenses using spectacles as a template B24B 9/144)]
13/006 . . [Devices specially adapted for cleaning spectacles frame or lenses]
13/008 . . [Devices specially adapted for cleaning contact lenses]

2200/00 Generic mechanical means applicable to one or more of the groups G02C 1/00 - G02C 5/00 and G02C 9/00 - G02C 13/00 and their subgroups
2200/02 . . Magnetic means
2200/04 . . Junctions between frame elements having a click function
2200/06 . . Locking elements
2200/08 . . Modular frames, easily exchangeable frame parts and lenses
2200/10 . . Frame or frame portions made from wire
2200/12 . . Frame or frame portions made from sheet type material
2200/14 . . Laminated frame or frame portions
2200/16 . . Frame or frame portions made from rubber
2200/18 . . Adjustment ridges or notches
2200/20 . . Friction elements
G02C

2200/22 . Leaf spring
2200/24 . Coil spring pulled upon actuation
2200/26 . Coil spring pushed upon actuation
2200/28 . Coil spring twisted upon actuation
2200/30 . Piston
2200/32 . Oblong hole

2202/00 . Generic optical aspects applicable to one or more of the subgroups of G02C 7/00

2202/02 . Mislocation tolerant lenses or lens systems
2202/04 . Lenses comprising decentered structures
2202/06 . Special ophthalmologic or optometric aspects
2202/08 . Series of lenses, lens blanks
2202/10 . Optical elements and systems for visual disorders other than refractive errors, low vision
2202/12 . Locally varying refractive index, gradient index lenses
2202/14 . Photorefractive lens material
2202/16 . Laminated or compound lenses
2202/18 . Cellular lens surfaces
2202/20 . Diffractive and Fresnel lenses or lens portions
2202/22 . Correction of higher order and chromatic aberrations, wave front measurement and calculation
2202/24 . Myopia progression prevention