CPC  COOPERATIVE PATENT CLASSIFICATION

G  PHYSICS
   (NOTES omitted)

INSTRUMENTS

G09  EDUCATION; CRYPTOGRAPHY; DISPLAY; ADVERTISING; SEALS

G09F  DISPLAYING; ADVERTISING; SIGNS; LABELS OR NAME-PLATES; SEALS (display cases A47F; designs or pictures characterised by special or unusual effects, e.g. changing B44F 1/00; disposition of road signs or traffic signals E01F 9/00; lighting in general F21; arrangements for controlling light beams G02F 1/00; visible signalling arrangements or devices G08B 5/00; traffic control systems G08G; arrangements or circuits for control of indicating devices using static means to present variable information G09G, {G06F 3/14}; static indicating arrangements comprising integral associations of a plurality of light sources H01J, H01K, H01L, H05B 33/12)

NOTES

1. In this subclass, the following term is used with the meaning indicated:
   • “sign” designates a mark or indication serving to make something recognisable, the information presented being non-varying, even if it is flashing; by way of example it covers, therefore, advertising hoardings, or luminous, or light reflecting, safety arrangements.

2. Attention is drawn to the Notes following the titles of class B81 and subclass B81B relating to "microstructural devices" and "microstructural systems".

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  Cardboard or like show-cards of foldable or flexible material
     1/02  . Single substantially flat cards
     1/04  . Folded cards
     1/06  . . to be erected in three dimensions (G09F 1/08 takes precedence)
     1/065 . . {Totem-like displays; Portable collapsible columnar displays}
     1/08  . wholly or partly imitating the form of an object, e.g. of the article to be advertised
     2001/085 . . {actuated by a sliding tongue}
     1/10  . Supports or holders for show-cards
     1/103 . . {using suspension clamps}
     2001/106 . . {made of metal}
     1/12  . . Frames therefor
     1/14  . . in the form of legs
     2003/0204 . . . {Tax-disc}
     2003/0205 . . . {Coupon}
     2003/0207 . . . {Ticket}
     2003/0208 . . . {Indicia}
     2003/021 . . . {Indicia behind the front foil}
     2003/0211 . . . {Transfer or thermo-sensitive}
     2003/0213 . . . {Concealed data}
     2003/0214 . . . {Stock management}
     2003/0216 . . . {for containers}
     2003/0217 . . . {for envelopes}
     2003/0219 . . . {to keep record of the use of a product}
     2003/022 . . . {Shipments}
     2003/0222 . . . {Features for removal or adhesion, e.g. tabs}
     2003/0223 . . . {recyclable}
     2003/0225 . . . {Carrier web}
     2003/0226 . . . {Carrier sheet}
     2003/0227 . . . {Carrier strip}
     2003/0229 . . . {Carrier roll}
     2003/023 . . . {Adhesive}
     2003/0232 . . . {Resistance to heat}
     2003/0233 . . . {Resistance to humidity}
     2003/0235 . . . {Resistance to chemicals}
     2003/0236 . . . {Permeability}
     2003/0238 . . . {Stress resistant}
     2003/0239 . . . {Permanent adhesive}
     2003/0241 . . . {Repositionable or pressure sensitive adhesive}
     2003/0242 . . . {Adhesive soluble in water}

3/00  Labels, tag tickets, or similar identification or indication means (medals or badges A44C 3/00; making labels B31D 1/02; sheets temporarily attached together B42F; labelling B65C; labels on record carriers G11B 23/38, G11B 23/40); Seals; Postage or like stamps
     3/005 . . {Identification bracelets, e.g. secured to the arm of a person}
     3/02  . Forms or constructions (layered products B32B)
     2003/0201 . . . {Label sheets intended to be introduced in a printer, e.g. laser printer}
     2003/0202 . . . {printed before use}
30323 . . . . [having clamp-like sealing means]
30329 . . . . [having electronic sealing means]
30335 . . . . [using RFID tags]
30341 . . . . [having label sealing means]
30347 . . . . [having padlock-type sealing means (padlocks in general E05B 67/00)]
30352 . . . . . [using cable lock]
30358 . . . . . [using a rigid hasp lock]
30364 . . . . . [having rotary sealing means]
3037 . . . . . [having tie-wrap sealing means]
30376 . . . . . [using a special technique to detect tampering, e.g. by ultrasonic or optical means]
30382 . . . . . [Seals with transparent casing]
30388 . . . . . [With semi-transparent casing]
30394 . . . . . [with violation indication by generating a random number (random number generators G06F 7/58, G07C 15/00)]
304 . . . . to be fastened or secured by the material of the label itself, e.g. by thermo-adhesion (by a separate adhesive layer G09F 3/10)
306 . . . . by clamping action (by separate clamps G09F 3/16)
308 . . . . Fastening or securing by means not forming part of the material of the label itself
310 . . . . by an adhesive layer
312 . . . . by pins, staples, or the like
314 . . . . by strings, straps, chains, or wires
316 . . . . by clamps
318 . . . . Casings, frames or enclosures for labels
3185 . . . . [Enclosures enveloping completely the labels (G09F 3/201 takes precedence)]
320 . . . . for adjustable, removable, or interchangeable labels
3201 . . . . . [Enclosures enveloping completely the labels (G09F 3/203 - G09F 3/207 take precedence)]
3202 . . . . . [for labels being formed by a combination of interchangeable elements, e.g. price labels (G09F 3/203 - G09F 3/207 take precedence)]
3203 . . . . . [specially adapted to be attached to a transparent surface, e.g. the window of a car]
3204 . . . . . [specially adapted to be attached to a shelf or the like]
3205 . . . . . [specially adapted for electric cables, pipes or the like]
3206 . . . . . [specially adapted for marking or identifying plants]
3207 . . . . . [in the form of a badge to be worn by a person]
3208 . . . . . [Electronic labels, Labels integrating electronic displays]

5/00 Means for displaying samples (packaging per see B65)
5/02 . . . Portable sample cases
5/04 . . . Cards of samples; Books of samples (packages comprising articles attached to cards, sheets, or webs for removal therefrom B65D 73/00)
2005/041 . . . [Back covers for books of samples]
5/042 . . . [in paper, paperboard, or the like]
7/00 Signs, name or number plates, letters, numerals, or symbols (vehicle registration number plates B60R 13/10); Panels or boards (show-cards G09F 13/00): indicating arrangements for variable information G09F 9/00, G09F 11/00; illuminated signs G09F 13/00; boards for notices or posters G09F 15/00.

7/002 . . . [weather-proof panels or boards (G09F 7/02 - G09F 7/14, G09F 7/18 - G09F 7/22 take precedence)]

2007/005 . . . [Signs associated with a sensor]
2007/007 . . . [Signs without covering windows]
7/02 . . . Signs, plates, panels or boards using readily-detachable elements bearing or forming symbols
7/04 . . . the elements being secured or adapted to be secured by magnetic means
7/06 . . . the elements being secured or adapted to be secured by means of pins and holes
7/08 . . . the elements being secured or adapted to be secured by means of grooves, rails, or slits
7/10 . . . and slideably mounted
7/12 . . . the elements being secured or adapted to be secured by self-adhesion, moisture, suction, slow-drying adhesive or the like

2007/122 . . . [by suction]
2007/125 . . . [by electrostatic force]
2007/127 . . . [by adhesive]
7/14 . . . Constructional features of the symbol bearing or forming elements
7/16 . . . Letters, numerals, or other symbols adapted for permanent fixing to a support
7/165 . . . [The letters, numerals, or other symbols being obtained by a treatment of the support]
7/18 . . . Means for attaching signs, plates, panels, or boards to a supporting structure

2007/1804 . . . [for fastening to a post]
2007/1808 . . . [using tensioned bonds, e.g. metallic]
2007/1813 . . . [using brackets having two parts for clamping the post]
2007/1817 . . . [using fastening means to grip the post]
2007/1821 . . . [the post having slots or flanges to fasten the sign]
2007/1826 . . . [using channels on the rear of the sign board to be connected to the post, e.g. via clamps]
2007/183 . . . [the sign being formed by two parts clamping the post]
2007/1834 . . . [Signs or the like supported by two lateral posts]
2007/1839 . . . [for fastening to cables]
2007/1843 . . . [Frames or housings to hold signs]
2007/1847 . . . [Brackets to grip the sign board]
2007/1852 . . . [for fastening magnetically or by suction or the like]
2007/1856 . . . [characterised by the supporting structure]
2007/186 . . . [suspended, e.g. secured to the ceiling]
2007/1865 . . . [on vehicles]
2007/1869 . . . [plates fixed to instruments]
2007/1873 . . . [characterised by the type of sign]
2007/1878 . . . [Traffic orientation, street markers]

2007/1882 . . . [Emblems, e.g. fixed by pins or screws]
2007/1886 . . . [Tensioned flexible signs]
2007/1891 . . . [modular]
2007/1895 . . . [Licence number plates]
7/20 . . . for ajustably mounting
7/22 . . . for rotatably or swingably mounting, e.g. for boards adapted to be rotated by the wind

9/00 Indicating arrangements for variable information in which the information is built-up on a support by selection or combination of individual elements (in which the variable information is permanently attached to a movable support G09F 11/00; abacus G06C 1/00; slide-rules G06G 1/00)
9/30 . . . in which the desired character or characters are formed by combining individual elements (panels comprising a number of electrodes in a single cell controlling light arriving from an independent light source, e.g. electro-optical or magneto-optical cell, G02F 1/00)
9/301 . . . [flexible foldable or roll-able electronic displays, e.g. thin LCD, OLED]
9/302 . . . characterised by the form or geometrical disposition of the individual elements
9/3023 . . . [Segmented electronic displays]
9/3026 . . . [Video wall, i.e. stackable semiconductor matrix display modules (video wall control systems G06F 3/1446, G09G 2300/026)]
9/305 . . . being the ends of optical fibres (G09F 9/302 takes precedence)

2009/3055 . . . [for traffic signs]
9/307 . . . being incandescent filaments (G09F 9/302 takes precedence; incandescent panels comprising a number of separate incandescent bodies, per se H01K 9/00)
9/313 . . . being gas discharge devices (G09F 9/302 takes precedence; gas discharge panels comprising a number of discharge gaps per se H01J 17/49)
9/33 . . . being semiconductor devices, e.g. diodes (G09F 9/302 takes precedence; semiconductor integrated circuits comprising components adapted for emission of light per se H01L 27/15)
9/35 . . . being liquid crystals (G09F 9/302 takes precedence; liquid crystal materials G09K 19/00; liquid crystal panels comprising a number of electrodes in a single cell per se G02F 1/13))
9/37 . . . being movable elements (G09F 9/302 takes precedence)
9/372 . . . [the positions of the elements being controlled by the application of an electric field]
9/375 . . . [the position of the elements being controlled by the application of a magnetic field]
9/377 . . . [the positions of the elements being controlled by pneumatic means]
9/40 . . . in which the desired character is selected from a number of characters arranged one beside the other, e.g. on a common carrier plate
9/405 . . . [the selected character being projected on a common screen accommodating only one character at a time, to provide the same display position for all characters]
9/46 . . . in which the desired character is selected from a number of characters arranged one behind the other
Indicating arrangements for variable information in which the complete information is permanently attached to a movable support which brings it to the display position (showcases or showcabinet with arrangements for continuously or intermittently moving the merchandise A47F 3/08; using static means to present variable information G09F 9/00)

11/00

11/02 . . . the display elements being secured to rotating members, e.g. drums, spindles
11/025 . . . [the members being rotated simultaneously, each face of the member carrying a part of the sign]
11/04 . . . the elements being secured to rotating discs ([G09F 11/025 takes precedence])
11/06 . . . the elements being stiff plates or cards (on rotating discs G09F 11/04)
11/08 . . . the elements being flexible sheets (on rotating discs G09F 11/04)
11/10 . . . Electrical control therefor
11/12 . . . the display elements being carried by endless belts, chains, or the like
11/14 . . . the elements being in the form of stiff flaps, boards, cards, or the like
11/15 . . . the elements being flexible sheets
11/16 . . . Electric control therefor
11/18 . . . the display elements being carried by belts, chains, or the like other than endless
11/20 . . . the elements being in the form of stiff flaps, boards, cards or the like
11/21 . . . the elements being flexible sheets
11/22 . . . Electric control therefor
11/23 . . . the advertising or display material forming part of rotating members, e.g. in the form of perforations, prints, or transparencies on a drum or disc
11/232 . . . [Disc card or folded disc shaped card information display devices]
11/235 . . . Electric control therefor
11/24 . . . the advertising or display material forming part of a moving band, e.g. in the form of perforations, prints, or transparencies
11/26 . . . of an endless band
11/28 . . . Electric control therefor
11/29 . . . of a band other than endless
11/295 . . . Electric control therefor
11/30 . . . the display elements being fed one by one from storage place to a display position
11/32 . . . the feeding means comprising belts or chains, e.g. endless belts or chains
11/325 . . . [the display elements being stored in the form of rolls fixed in between transporting belts or chains]
11/34 . . . the feeding means comprising electromagnets

13/00

Illuminated signs; Luminous advertising (G09F 9/00 G09F 11/00 take precedence; control of displays in general using static means to present variable information G09G)

13/005 . . . [Illumination controller or illuminated signs including an illumination control system]
13/02 . . . Signs, boards, or panels, illuminated by artificial light sources positioned in front of the insignia
13/04 . . . Signs, boards or panels, illuminated from behind the insignia
13/0404 . . . [the light source being enclosed in a box forming the character of the sign]
13/0409 . . . [Arrangements for homogeneous illumination of the display surface, e.g. using a layer having a non-uniform transparency (arrangements of reflectors G09F 13/14)]
13/0413 . . . [Frames or casing structures therefor (transparency frames G03B 21/64)]

13/0148 . . . [Constructional details]
13/0422 . . . [characterised by the presence of reflectors]
13/0427 . . . [in the form of buttons]
13/0431 . . . [connected to a pole]
13/0436 . . . [attached to ceilings]
13/044 . . . [on vehicles]
13/0445 . . . [Frame details]
13/045 . . . [Presence of a door]
13/0454 . . . [With slidable panels or parts]
13/0459 . . . [Indicating exit way or orientation]
13/0463 . . . [Portable]
13/0468 . . . [With tensioned or flexible display surface]
13/0472 . . . [Traffic signs]
13/0477 . . . [on containers]
13/0481 . . . [Curved shape]
13/0486 . . . [With neon tubes]
13/049 . . . [Edge illuminated]
13/0495 . . . [In the ground]
13/06 . . . using individual cut-out symbols or cut-out silhouettes, e.g. perforated signs
13/08 . . . using both translucent and non-translucent layers
13/10 . . . using transparencies
13/12 . . . using a transparent mirror or other light reflecting surface transparent to transmitted light whereby a sign, symbol, picture or other is visible only when illuminated
13/14 . . . Arrangements of reflectors therein
13/142 . . . [multiple reflectors]
13/145 . . . [curved reflectors]
13/147 . . . [plane reflectors]
13/16 . . . Signs formed of or incorporating reflecting elements or surfaces, e.g. warning signs having triangular or other geometrical shape
13/165 . . . [rotatably or swingatically mounted reflecting elements or surfaces]
13/18 . . . Edge-illuminated signs
13/1804 . . . [Achieving homogeneous illumination]
13/1809 . . . [using a non-homogeneous front window]
13/1813 . . . [provided with a coating showing a pattern of dots of variable density]
13/1818 . . . [provided with a coating of variable thickness]
13/1822 . . . [Stair-cased profiled window]
13/1827 . . . [Prismatic window]
13/1831 . . . [using more than one light source]
13/20 . . . with luminescent surfaces or parts (luminescent compositions G09K 11/00; light sources using luminescence F21K 2/00)
13/22 . . . electroluminescent (electroluminescent light sources per se H05B 33/00)

13/24 . . . using tubes or the like filled with liquid, e.g. bubbling liquid
13/26 . . . Signs formed by electric discharge tubes (by selective lighting G09F 9/00)
13/28 . . . Signs formed by filament-type lamp (by selective lighting G09F 9/00)
13/30 . . . with moving light sources, e.g. rotating luminous tubes
13/32 . . . with moving optical part of parts, e.g. mirrors
13/34 . . . with light sources co-operating with movable members, e.g. with shutters to cover or uncover the light source (apparatus wherein advertising or display material is moved in a continuous or intermittent succession G09F 11/00; construction or details of lighting devices F21V 11/00)
13/36 . . . co-operating with rotating screening means
13/42 . . . with light sources activated by non-visible radiation (cathode ray image or pattern display tubes H01J 31/10; lamps with luminescent screens excited by cathode rays H01J 63/06)
13/44 . . . with gas as lighting source
13/46 . . . Advertising by fireworks

15/0006 . . . [Planar structures comprising one or more panels]
15/0012 . . . [Frames therefor]
15/0018 . . . [Panel clamping or fastening means]
15/0025 . . . [Display surface tensioning means]
15/0031 . . . [Tensioned curved signs; Signs with curved tensioning structures]

15/0037 . . . [Supported by a post]
15/0043 . . . [Connected to a receptacle of public utility, e.g. a waste receptacle]
15/005 . . . [For orientation or public information]
15/0056 . . . [Portable display standards]
15/0062 . . . [Collapsible]
15/0068 . . . [Modular articulated structures, e.g. stands, and articulation means therefor]
15/0075 . . . [Pillars]
15/0081 . . . [Rotating pillars]

15/0087 . . . [Including movable parts, e.g. movable by the wind]
15/0093 . . . [Tensioned structures]
15/02 . . . [Bills, posters, or the like therefor]
15/025 . . . [Poster carriers, i.e. devices for holding temporarily posters in order to transfer and apply them onto flat vertical surfaces]

17/00 Flags; Banners; Mountings therefor
17/00008 . . . [Devices for avoiding twisting of the flag]
17/00106 . . . [Using ventilators]
17/0025 . . . [Raising or lowering devices]
17/0033 . . . [Flag materials]
17/0041 . . . [Suspended banners]
17/005 . . . [Means for mounting flags to masts]
17/0058 . . . [Holding rings]
17/0066 . . . [stands for flags]
17/0075 . . . [Flags on vehicles]
17/0083 . . . [Safety flags]
17/0091 . . . [Anti-foiling flagpoles; Sliding means to avoid foiling of flags on the poles]

19/00 Miscellaneous advertising or display means not provided for elsewhere
19/02 . . . Incorporating moving display members
19/04 . . . Operated by the opening or closing of doors, e.g. shop door
19/06 . . . Writing devices
19/08 . . . Dolls, faces, or other representations of living forms with moving parts (in the nature of toys A63H)

19/081 . . . [Fish]
19/083 . . . [Plants]
19/085 . . . [Birds]
19/086 . . . [Dolls]
19/088 . . . [Faces]
19/10 . . . Devices demonstrating the action of an article to be advertised
19/12 . . . Using special optical effects (designs or pictures characterised by special light effects B44F 1/00, e.g. changing pictures B44F 1/10; projecting decorations in stage lighting F21W 211/06)
19/14 . . . Displaying different signs depending upon the view-point of the observer
19/16 . . . Involving the use of mirrors
19/18 . . . Involving the use of optical projection means, e.g. projection of images on clouds (projection apparatus per se G03B)
19/20 . . . With colour-mixing effects
19/205 . . . [Special effects using different wavelengths]
19/22 . . . Advertising or display means on roads, walls, or similar surfaces, e.g. illuminated (illuminated signs in general G09F 13/00)

19/21 . . . [On tunnel walls for underground trains]
19/223 . . . [In pavement panels]
19/225 . . . [Fire evacuation route indicating means]
19/226 . . . [Building external wall displays; Facade advertisement]
19/228 . . . [Ground signs, i.e. display signs fixed on the ground]

21/00 Mobile visual advertising
21/02 . . . By a carrier person or animal
21/023 . . . [Fixed on human dresses]
21/026 . . [Advertising carried by a person, e.g. carried on the shoulders]
21/04 . . by land vehicles
2021/041 . . [magnetically fixed on the vehicles]
21/043 . . [supported by tyres]
21/045 . . [supported by the wheels]
21/046 . . [using the shaking brought about by the locomotion of the vehicle]
21/048 . . [Advertisement panels on sides, front or back of vehicles]
21/06 . . by aeroplanes, airships, balloons, or kites
21/08 . . the advertising matter being arranged on the aircraft
21/10 . . . illuminated
21/12 . . the advertising matter being towed by the aircraft (kites per se B64C 21/06)
21/14 . . . illuminated
21/16 . . Sky-writing (aircraft adaptation for sky-writing B64D 1/20)
21/18 . . by ships or other floating means
21/20 . . . illuminated
21/22 . . Dispensing devices for pamphlets or similar advertising matter from vehicles (from aircraft B64D 1/00)

23/00 Advertising on or in specific articles, e.g. ashtrays, letter-boxes (on or in vehicles G09F 21/00; containers, packaging-elements, or packages, with auxiliary means or provisions for displaying articles B65D)
2023/0008 . . [on parking meters]
2023/0016 . . [on pens]
2023/0025 . . [on containers]
2023/0033 . . [on refrigerated containers]
2023/0041 . . [on cigarette lighters]
2023/005 . . [on seats]
23/0058 . . [on electrical household appliances, e.g. on a dishwasher, a washing machine or a refrigerator]
23/0066 . . [on sports articles, e.g. golf clubs]
23/0075 . . [on tooth brushes]
23/0083 . . [on petrol dispensers]
23/0091 . . [on soda or beer cans]
23/02 . . the advertising matter being displayed by the operation of the article
23/04 . . . illuminated
23/06 . . the advertising matter being combined with articles for restaurants, shops or offices (on paper articles G09F 23/10)
23/065 . . . [Advertising in food vending machines]
23/08 . . . with tableware
23/10 . . Advertisement on paper articles, e.g. booklets, newspapers
23/105 . . . [on paper for wrapping flowers]
23/12 . . . on toilet paper
23/14 . . on toys, games, puzzles, or similar devices
23/16 . . on clocks, e.g. controlled by the clock mechanism

25/00 Audible advertising (sound recording or reproducing per se G11B; public address systems H04R 27/00)
2025/005 . . [Message recorded in a memory device]

27/00 Combined visual and audible advertising or displaying, e.g. for public address
2027/0001 . . [Comprising a presence or proximity detector]