

CPC COOPERATIVE PATENT CLASSIFICATION

E05Y INDEXING SCHEME RELATING TO HINGES OR OTHER SUSPENSION DEVICES FOR DOORS, WINDOWS OR WINGS AND DEVICES FOR MOVING WINGS INTO OPEN OR CLOSED POSITION, CHECKS FOR WINGS AND WING FITTINGS NOT OTHERWISE PROVIDED FOR, CONCERNED WITH THE FUNCTIONING OF THE WING

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| 2201/00 | Constructional elements; Accessories therefore | 2201/442 | Stators |
| 2201/10 | . Covers; Housings | 2201/446 | Windings |
| 2201/11 | . . Covers | 2201/448 | . . . Fluid motors; Details thereof |
| 2201/20 | . Brakes; Disengaging means, e.g. clutches; Holders, e.g. locks; Stops; Accessories therefore | 2201/454 | Cylinders |
| 2201/21 | . . Brakes | 2201/456 | Pistons |
| 2201/212 | . . . Buffers | 2201/458 | Valves |
| 2201/214 | . . Disengaging means | 2201/46 | . . Magnets |
| 2201/216 | . . . Clutches | 2201/462 | . . . Electromagnets |
| 2201/218 | . . Holders | 2201/47 | . . Springs; Spring tensioners |
| 2201/22 | . . . Locks | 2201/474 | . . . Compression springs |
| 2201/222 | . . . Stabilizers, e.g. anti-rattle devices | 2201/476 | . . . Disk springs |
| 2201/224 | . . Stops | 2201/478 | . . . Gas springs |
| 2201/23 | . . Actuation thereof | 2201/48 | . . . Leaf springs |
| 2201/232 | . . . by automatically acting means | 2201/482 | . . . Ribbon springs |
| 2201/234 | direction dependent | 2201/484 | . . . Torsion springs |
| 2201/236 | using force or torque | 2201/486 | Torsion rods |
| 2201/238 | reaction force or torque | 2201/488 | . . . Traction springs |
| 2201/24 | using lost motion | 2201/49 | . . . Wrap springs |
| 2201/242 | using threshold speed | 2201/492 | . . . Spring tensioners, tension sensors |
| 2201/244 | . . . by manual operation | 2201/496 | . . . Double acting springs |
| 2201/246 | . . . by motors, magnets, springs or weights | 2201/50 | . . Weights |
| 2201/248 | . . . characterised by the transmission | 2201/502 | . . . Wing weights |
| 2201/25 | . . Force or torque adjustment therefore (E05Y 2400/21 takes precedence) | 2201/60 | . Suspension or transmission members; Accessories therefore |
| 2201/252 | . . characterised by type of friction | 2201/602 | . . Suspension members |
| 2201/254 | . . . Fluid or viscous friction | 2201/604 | . . Transmission members |
| 2201/256 | with pistons or vanes | 2201/606 | . . Accessories therefore |
| 2201/258 | . . . Magnetic or electromagnetic friction | 2201/608 | . . . Back-drive |
| 2201/26 | . . . Mechanical friction | 2201/61 | . . . Cooperation between suspension or transmission members |
| 2201/262 | . . characterised by type of motion | 2201/612 | between carriers and rails |
| 2201/264 | . . . linear | 2201/614 | Anti-derailing means |
| 2201/266 | . . . rotary | 2201/616 | to ensure mutual engagement, e.g. counter-rollers |
| 2201/40 | . Motors; Magnets; Springs; Weights; Accessories therefore | 2201/618 | . . . Transmission ratio variation |
| 2201/404 | . . characterised by the function | 2201/62 | . . . Synchronisation of transmission members |
| 2201/406 | . . . for additional wing movements only | 2201/622 | . . Suspension or transmission members elements |
| 2201/408 | . . . for braking | 2201/624 | . . . Arms |
| 2201/41 | . . . for closing | 2201/626 | Levers |
| 2201/412 | for the final closing movement | 2201/628 | . . . Bearings |
| 2201/414 | for the initial closing movement | 2201/63 | Races |
| 2201/416 | . . . for counterbalancing | 2201/632 | Sleeves |
| 2201/418 | . . . for holding | 2201/636 | Universal or ball joints |
| 2201/42 | . . . for locking | 2201/638 | . . . Cams; Ramps |
| 2201/422 | . . . for opening | 2201/64 | . . . Carriers |
| 2201/424 | for the final opening movement | 2201/642 | Trackless carriers |
| 2201/426 | for the initial opening movement | 2201/644 | . . . Flexible elongated pulling elements; Members cooperating with flexible elongated pulling elements |
| 2201/428 | . . . for suspending or supporting | 2201/646 | continuous, e.g. closed loops |
| 2201/43 | . . Motors | 2201/648 | having teeth (toothed gearing E05Y 2201/71) |
| 2201/434 | . . . Electromotors; Details thereof | | |
| 2201/438 | Rotors | | |

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| 2201/652 | Belts | 2400/337 | Encoder wheels |
| 2201/654 | Cables | 2400/338 | of the linear type |
| 2201/656 | Chains | 2400/34 | Pulse count limit setting |
| 2201/658 | Members cooperating with flexible elongated pulling elements | 2400/342 | Pulse count value setting or correcting |
| 2201/66 | Deflectors; Guides | 2400/35 | related to specific positions |
| 2201/662 | Cable sheaths | 2400/354 | End positions |
| 2201/664 | Drums | 2400/356 | Predefined intermediate positions |
| 2201/666 | Magazines | 2400/358 | in the proximity of end positions |
| 2201/668 | Pulleys; Wheels | 2400/36 | . . . Speed control, detection or monitoring |
| 2201/67 | in tackles | 2400/40 | . . . Control units therefore |
| 2201/672 | Tensioners, tension sensors | 2400/41 | for multiple motors |
| 2201/674 | . . . Friction wheels | 2400/415 | for multiple wings |
| 2201/676 | . . . Transmission of human force | 2400/42 | for multiple openings |
| 2201/678 | Hand chains | 2400/44 | . . . Sensors therefore (E05Y 2400/322 , E05Y 2400/33 , E05Y 2400/55 , E05Y 2400/56 , E05Y 2400/852 take precedence) |
| 2201/68 | Handles, cranks | 2400/445 | . . . Switches |
| 2201/682 | . . . Pins | 2400/45 | . . Control modes |
| 2201/684 | . . . Rails | 2400/452 | . . . for saving energy |
| 2201/686 | . . . Rods, links | 2400/454 | . . . for accommodating handicapped users |
| 2201/688 | . . . Rollers | 2400/456 | . . . for programming |
| 2201/69 | having inclined axes | 2400/458 | . . . for generating service signals |
| 2201/692 | having vertical axes | 2400/50 | . . Fault detection |
| 2201/694 | . . . Scissor mechanisms | 2400/502 | . . . of components |
| 2201/696 | . . . Screw mechanisms | 2400/504 | . . . of control |
| 2201/70 | Nuts | 2400/506 | . . . of counterbalance |
| 2201/702 | Spindles; Worms | 2400/508 | . . . of detection |
| 2201/704 | Worm wheels | 2400/51 | . . . of position, of back drive |
| 2201/706 | . . . Shafts | 2400/512 | . . . of electric power |
| 2201/708 | . . . Sliders (E05Y 2201/64 takes precedence) | 2400/514 | . . . of speed |
| 2201/71 | . . . Toothed gearing | 2400/52 | . . Safety arrangements (Safety means for manual wing operation E05Y 2800/116) |
| 2201/712 | with incomplete toothing | 2400/522 | . . . Back-drive prevention |
| 2201/716 | Pinions | 2400/525 | . . . Car-jacking prevention |
| 2201/718 | Bevelled pinions | 2400/53 | . . . Wing impact prevention or reduction |
| 2201/72 | Planetary gearing | 2400/532 | Emergency braking |
| 2201/722 | Racks | 2400/54 | Obstruction or resistance detection |
| 2201/724 | Flexible | 2400/55 | by using load sensors (sensors for electronic control of hinges, wings, windows as such E05Y 2400/44) |
| 2201/726 | Ring gears; Internal gears | 2400/552 | Switches |
| 2400/00 | Electronic control; Power supply; Power or signal transmission; User interfaces | 2400/554 | sensing motor load |
| 2400/10 | . Electronic control | 2400/56 | by using speed sensors (sensors for electronic control of hinges, wings, windows as such E05Y 2400/44) |
| 2400/20 | . . of brakes, disengaging means, holders or stops | 2400/562 | Switches |
| 2400/202 | . . . Force or torque control (mechanical aspects E05Y 2201/25) | 2400/564 | sensing motor speed |
| 2400/21 | by controlling the viscosity | 2400/57 | Disabling thereof |
| 2400/30 | . . of motors | 2400/58 | Sensitivity setting or adjustment |
| 2400/302 | . . . during electromotoric braking | 2400/59 | . . . Travel display |
| 2400/31 | . . . Force or torque control | 2400/60 | . Power supply; Power or signal transmission |
| 2400/315 | Curve setting or adjusting | 2400/61 | . . Power supply |
| 2400/32 | . . . Position control, detection or monitoring | 2400/612 | . . . Batteries |
| 2400/322 | by using absolute position sensors (sensors for electronic control of hinges, wings, windows as such E05Y 2400/44) | 2400/614 | charging thereof |
| 2400/324 | Switches | 2400/616 | . . . Generators |
| 2400/326 | of the angular type | 2400/628 | Solar cells |
| 2400/328 | of the linear type | 2400/65 | . . Power or signal transmission |
| 2400/33 | by using load sensors (sensors for electronic control of hinges, wings, windows as such E05Y 2400/44) | 2400/652 | . . . by bus |
| 2400/332 | Switches | 2400/654 | . . . by electrical cables |
| 2400/334 | by using pulse generators | 2400/656 | . . . by travelling contacts |
| 2400/336 | of the angular type | 2400/658 | with current rails |
| | | 2400/66 | . . . Wireless transmission |

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| 2400/662 | by optical waves | 2600/622 | . . Dowels; Pins |
| 2400/664 | by radio waves | 2600/624 | . . Nuts |
| 2400/80 | . User interfaces | 2600/626 | . . Plates or brackets |
| 2400/81 | . . User displays | 2600/628 | . . Profiles |
| 2400/812 | . . . with acoustic display | 2600/63 | . . Retainers |
| 2400/814 | Sound emitters, e.g. speakers | 2600/632 | . . Screws |
| 2400/816 | Voice emitters | 2600/634 | . . Spacers |
| 2400/818 | . . . with visual display | 2600/636 | . . . Washers |
| 2400/82 | Images, Symbols | | |
| 2400/822 | Light emitters, e.g. LEDs | 2800/00 | Details, accessories and auxiliary operations not otherwise provided for |
| 2400/85 | . . User input means | 2800/10 | . Additional functions |
| 2400/852 | . . . Sensors | 2800/102 | . . Additional wing movements |
| 2400/854 | Switches | 2800/104 | . . Heating |
| 2400/856 | Actuation thereof | 2800/106 | . . Lighting |
| 2400/858 | by body parts | 2800/108 | . . Lubrication |
| 2400/86 | by hand | 2800/11 | . . Manual wing operation |
| 2600/00 | Mounting or coupling arrangements for elements provided for in this subclass | 2800/112 | . . . Back driving the transmission or motor |
| 2600/10 | . Adjustable or movable | 2800/113 | Power assistance |
| 2600/11 | . . by automatically acting means | 2800/114 | Overriding existing wing movement |
| 2600/12 | . . by manual operation | 2800/116 | . . . Safety means therefore |
| 2600/13 | . . by motors, magnets, springs, weights | 2800/12 | . . Sealing |
| 2600/14 | . . with position retaining means | 2800/122 | . . Telescopic action |
| 2600/20 | . . characterised by the movement transmission | 2800/15 | . Applicability |
| 2600/30 | . . characterised by the type of motion | 2800/16 | . . applicable on combinations of fixed and movable wings |
| 2600/31 | . . . Linear motion | 2800/162 | . . . the wings being coplanar when the movable wing is in the closed position |
| 2600/312 | Horizontal motion | 2800/17 | . . Universally applicable |
| 2600/314 | Vertical motion | 2800/172 | . . . on different wing or frame locations |
| 2600/32 | . . . Rotary motion | 2800/174 | on the left or right side |
| 2600/322 | around a horizontal axis | 2800/176 | . . . on different wing types |
| 2600/324 | around a vertical axis | 2800/178 | . . . on wings having different thicknesses |
| 2600/33 | . . . Stepwise motion | 2800/20 | . Combinations of elements |
| 2600/40 | . Mounting location; Visibility of the elements | 2800/205 | . . forming a unit |
| 2600/41 | . . Concealed | 2800/21 | . . of identical elements, e.g. of identical compression springs |
| 2600/412 | . . . in the rabbet | 2800/22 | . . of not identical elements of the same category, e.g. combinations of not identical springs |
| 2600/45 | . . in or on the fixed frame | 2800/23 | . . of elements of different categories |
| 2600/452 | . . in or on the floor or wall | 2800/232 | . . . of motors and transmissions |
| 2600/454 | . . in or on the motor | 2800/234 | . . . of motors and brakes |
| 2600/456 | . . in or on a suspension member | 2800/236 | . . . of motors and springs |
| 2600/458 | . . in or on a transmission member | 2800/238 | . . . of springs and transmissions |
| 2600/46 | . . in or on the wing | 2800/24 | . . . of springs and brakes |
| 2600/50 | . Mounting methods; Positioning | 2800/242 | . . arranged in parallel relationship |
| 2600/502 | . . Clamping | 2800/244 | . . arranged in serial relationship |
| 2600/504 | . . Expansion | 2800/246 | . . with at least one element being redundant |
| 2600/506 | . . Plastic deformation | 2800/25 | . Emergency conditions |
| 2600/508 | . . . Riveting (in general B21J) | 2800/252 | . . the elements functioning only in case of emergency |
| 2600/51 | . . Screwing or bolting | 2800/254 | . . the elements not functioning in case of emergency |
| 2600/52 | . . Toolless | 2800/26 | . Form, shape |
| 2600/522 | . . . Axial stacking | 2800/262 | . . column shaped |
| 2600/524 | . . . Friction | 2800/264 | . . compact |
| 2600/526 | . . . Glueing or cementing | 2800/266 | . . curved |
| 2600/528 | . . . Hooking, e.g. using bayonets; Locking | 2800/268 | . . cylindrical |
| 2600/53 | . . . Snapping | 2800/27 | . . profiles |
| 2600/54 | . . Welding (in general B23K , B29C 65/02) | 2800/272 | . . . hollow |
| 2600/56 | . . Positioning or pre-mounting | 2800/276 | U-shaped |
| 2600/60 | . Mounting or coupling members (devices for fastening or securing constructional elements or machine parts together, e.g. nails, bolts, in general F16B); Accessories therefore | 2800/278 | C-shaped |
| 2600/61 | . . Threaded members | 2800/28 | . . tubular |
| 2600/62 | . . Bolts | | |

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| 2800/29 | . . forming a unitary piece with another element | 2800/748 | . . . end |
| 2800/292 | . . having apertures | 2800/75 | . . intermediate |
| 2800/296 | . . . Slots | 2900/00 | Application of doors, windows, wings or fittings thereof |
| 2800/298 | . . having indentations | 2900/10 | . for buildings or parts thereof |
| 2800/33 | . . having protrusions | 2900/102 | . . for cold-rooms |
| 2800/34 | . Form stability | 2900/104 | . . for elevators |
| 2800/342 | . . Deformable | 2900/106 | . . for garages |
| 2800/344 | . . . elastically | 2900/108 | . . for hangars |
| 2800/35 | . . . of specific parts | 2900/11 | . . for industrial buildings |
| 2800/352 | . Frames; Posts | 2900/112 | . . for restrooms |
| 2800/353 | . . fixed | 2900/114 | . . for showers |
| 2800/356 | . . . horizontal frame members | 2900/116 | . . for sluices |
| 2800/358 | . . . vertical frame members or posts | 2900/13 | . . characterised by the type of wing |
| 2800/36 | . . Movable frames | 2900/131 | . . . Access panels |
| 2800/362 | . . . horizontal frame members | 2900/132 | . . . Doors |
| 2800/364 | . . . vertical frame members | 2900/134 | Fire doors |
| 2800/37 | . Length, width adjustment | 2900/136 | Insect doors |
| 2800/372 | . . Telescopic | 2900/14 | Doors disappearing in pockets of a wall, e.g. so-called pocket doors |
| 2800/40 | . Protection (E05Y 2400/50 , E05Y 2400/52 take precedence) | 2900/142 | . . . Partition walls |
| 2800/402 | . . against corrosion | 2900/144 | . . . Security grills |
| 2800/404 | . . against component faults or failure | 2900/146 | . . . Shutters |
| 2800/406 | . . against deformation | 2900/148 | . . . Windows |
| 2800/407 | . . . plastic deformation | 2900/15 | Balcony glazing |
| 2800/409 | . . against faulty mounting or coupling | 2900/152 | Roof windows |
| 2800/41 | . . against finger injury | 2900/154 | Skylights |
| 2800/412 | . . against friction | 2900/20 | . for furnitures, e.g. cabinets |
| 2800/414 | . . against high or low temperatures | 2900/202 | . . for display cabinets |
| 2800/416 | . . . against fire | 2900/204 | . . for display counters |
| 2800/42 | . . against smoke or gas | 2900/208 | . . for metal cabinets |
| 2800/422 | . . against vibration or noise | 2900/21 | . . for safety cabinets |
| 2800/424 | . . against unintended use | 2900/212 | . . Doors disappearing in pockets in the furniture body |
| 2800/426 | . . . against unauthorised use (E05Y 2400/51 , E05Y 2400/522 take precedence) | 2900/30 | . for domestic appliances |
| 2800/428 | . . against water | 2900/302 | . . for built-in appliances |
| 2800/43 | . . against wear | 2900/304 | . . for dishwashers |
| 2800/45 | . Manufacturing | 2900/306 | . . for freezers |
| 2800/455 | . . Extrusion (in general B29C 47/00 , B21C 23/00) | 2900/308 | . . for ovens |
| 2800/46 | . . Injection moulding (in general B29C 45/00) | 2900/31 | . . for refrigerators |
| 2800/465 | . . Pressing | 2900/312 | . . for washing machines |
| 2800/67 | . Materials; Strength alteration thereof | 2900/40 | . for gates |
| 2800/672 | . . Glass | 2900/402 | . . for cantilever gates |
| 2800/674 | . . Metal | 2900/404 | . . for railway platform gates |
| 2800/676 | . . Plastics | 2900/50 | . for vehicles |
| 2800/678 | . . . Elastomers | 2900/502 | . . for aircraft |
| 2800/68 | . . Combinations of materials | 2900/504 | . . for armored vehicles |
| 2800/682 | . . Strength alteration by reinforcing, e.g. by applying ribs | 2900/506 | . . for buses |
| 2800/684 | . . Strength alteration by weakening, e.g. by applying grooves | 2900/508 | . . for convertibles |
| 2800/69 | . Permanence of use | 2900/51 | . . for railway cars or mass transit vehicles |
| 2800/692 | . . Temporary use | 2900/512 | . . for recreational vehicles |
| 2800/694 | . . during manufacturing | 2900/514 | . . for ships |
| 2800/696 | . . during transport or storage | 2900/516 | . . for trucks or trailers |
| 2800/70 | . Retrofitting of elements | 2900/518 | . . for working vehicles |
| 2800/71 | . Secondary wings, e.g. pass doors | 2900/53 | . . characterised by the type of wing |
| 2800/72 | . Sets of mutually exchangeable elements | 2900/531 | . . . Doors |
| 2800/73 | . Single use of elements | 2900/532 | Back doors or end doors |
| 2800/74 | . Specific positions (E05Y 2400/35 takes precedence) | 2900/534 | . . . Fuel lids |
| 2800/742 | . . abnormal | 2900/536 | . . . Hoods |
| 2800/744 | . . . cleaning or service | 2900/538 | . . . Interior lids |
| 2800/746 | . . . emergency or extended | 2900/54 | . . . Luggage compartment lids for buses |

E05Y

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| 2900/542 | . . . | Roof panels |
| 2900/544 | . . . | Tailboards or sideboards |
| 2900/546 | . . . | Tailgates |
| 2900/548 | . . . | Trunk lids |
| 2900/55 | . . . | Windows |
| 2900/60 | . | for other use |
| 2900/602 | . . | for containers |
| 2900/604 | . . . | for large containers |
| 2900/606 | . . | for electronic devices |
| 2900/608 | . . | for machines |
| 2900/612 | . . | for manhole covers |
| 2900/614 | . . | for toilet seats or covers |