

E05Y

INDEXING SCHEME ASSOCIATED WITH SUBCLASSES [E05D](#) AND [E05F](#), RELATING TO CONSTRUCTION ELEMENTS, ELECTRIC CONTROL, POWER SUPPLY, POWER SIGNAL OR TRANSMISSION, USER INTERFACES, MOUNTING OR COUPLING, DETAILS, ACCESSORIES, AUXILIARY OPERATIONS NOT OTHERWISE PROVIDED FOR, APPLICATION THEREOF

E05Y 2201/20

Brakes; Disengaging means; Holders; Stops; Valves; Accessories therefor

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Braking devices, stops or buffers in devices for moving wings into open or closed position	E05F 5/00
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Special rules of classification

[E05F 5/00](#) provides classification entries for braking devices, stops or buffers associated with wings characterised by their wing movement. The indexing codes under [E05Y 2201/20](#) are used to classify further details not available in the main trunk. In particular, the indexing codes under [E05Y 2201/21](#) and [E05Y 2201/224](#) are used to classify braking devices, stops or buffers combined with motors associated with wings. The indexing codes under [E05Y 2201/21](#) and [E05Y 2201/224](#) are however not applied when classification symbols in [E05F 5/00](#) or subgroups are being allocated for inventive information.

E05Y 2201/25

Mechanical means for force or torque adjustment therefor

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Electronic force or torque control of brakes, disengaging means, holders or stops	E05Y 2400/202
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E05Y 2201/644

Flexible elongated pulling elements

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Members cooperating with flexible elongated pulling elements	E05Y 2201/658
Swinging wings operated by flexible elongated pulling elements	E05F 15/627

Horizontally-sliding wings operated by flexible elongated pulling elements	E05F 15/643
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Special rules of classification

[E05F 15/627](#) and [E05F 15/643](#) provide classification entries for swinging wings or horizontally-sliding wings operated by flexible elongated pulling elements. The indexing codes under [E05Y 2201/644](#) are used to classify flexible elongated pulling elements for any use associated with wings. The indexing codes under [E05Y 2201/644](#) are however not applied when classification symbols in [E05F 15/627](#) and [E05F 15/643](#) or subgroups are being allocated for inventive information.

E05Y 2201/648

having teeth

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Toothed gearing as transmission member	E05Y 2201/71
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E05Y 2201/658

Members cooperating with flexible elongated pulling elements

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flexible elongated pulling elements	E05Y 2201/644
Swinging wings operated by flexible elongated pulling elements	E05F 15/627
Horizontally-sliding wings operated by flexible elongated pulling elements	E05F 15/643

E05Y 2201/724

Flexible

Definition statement

This place covers:

Flexible push-pull elements, e.g. flexible elements rigid in one direction.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flexible elongated pulling elements	E05Y 2201/644
Members cooperating with flexible elongated pulling elements	E05Y 2201/658

E05Y 2400/202**Force or torque control****References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Mechanical means for force or torque adjustment for brakes, disengaging means, holders or stops	E05Y 2201/25
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E05Y 2400/32**Position control, detection or monitoring****References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Specific positions as such, e.g. cleaning or end positions	E05Y 2800/74
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E05Y 2400/322**by using absolute position sensors****References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Sensors not directly associated with the wing movement	E05Y 2400/44
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E05Y 2400/33**by using load sensors****References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Sensors not directly associated with the wing movement	E05Y 2400/44
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E05Y 2400/44**Sensors not directly associated with the wing movement****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Position control, detection or monitoring of the wing movement by using absolute position sensors	E05Y 2400/322
Position control, detection or monitoring of the wing movement by using load sensors	E05Y 2400/33
Obstruction or resistance detection by using load sensors in safety arrangements associated with the wing motor	E05Y 2400/55
Obstruction or resistance detection by using speed sensors in safety arrangements associated with the wing motor	E05Y 2400/56
Sensors as user input means	E05Y 2400/852

E05Y 2400/447**Moisture or submergence sensors****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Physical protection against water or ice	E05Y 2800/428
Automatic actuated power-operated mechanisms for wings responsive to rain or wind	E05F 15/71

E05Y 2400/502**of components****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Physical protection against component faults or failure	E05Y 2800/404
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E05Y 2400/52

Safety arrangements associated with the wing motor

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Safety means during manual wing operation	E05Y 2400/3017
Physical or chemical protection, e.g. against corrosion, finger injury, unintended use	E05Y 2800/40
Safety devices for power-operated mechanisms for wings	E05F 15/40

Special rules of classification

The indexing codes under [E05Y 2400/52](#) are used to classify further details not available in [E05F 15/40](#). [E05Y 2400/55](#) - [E05Y 2400/564](#) are in particular allocated in combination with [E05F 15/41](#). [E05F 15/40](#) provides classification entries for safety devices associated with motor-driven wings.

E05Y 2400/54

Obstruction or resistance detection

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Physical protection against finger injury	E05Y 2800/41
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E05Y 2400/55

by using load sensors

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Sensors not directly associated with the wing movement	E05Y 2400/44
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E05Y 2400/56

by using speed sensors

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Sensors not directly associated with the wing movement	E05Y 2400/44
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E05Y 2400/81

Feedback to user, e.g. tactile

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Input means for intentional action by users relating to operating hinges, wings or suspension devices for doors, windows or wings	E05Y 2400/85
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E05Y 2400/818

Visual

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Smart phones or tablets as user input means	E05Y 2400/8515
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E05Y 2400/85

User input means

Definition statement

This place covers:

Input means for intentional action by users relating to operation of hinges, wings or suspension devices for doors, windows or wings.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Feedback to the user, e.g. tactile	E05Y 2400/81
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E05Y 2400/8505

User authentication, e.g. biometric

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Physical protection against unauthorised use, e.g. keys	E05Y 2800/426
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E05Y 2400/8515**Smart phones; Tablets****Definition statement**

This place covers:

Smart phones or tablets as user input means.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Feedback to the user by visual means	E05Y 2400/818
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E05Y 2600/508**Riveting****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Riveting in general	B21J
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E05Y 2600/54**Welding****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Gas flame welding	B23K 5/00
Arc welding	B23K 9/00
Resistance welding	B23K 11/00
Welding by high-frequency current heating	B23K 13/00
Electron-beam welding	B23K 15/00
Non-electric welding by applying impact or other pressure, with or without the application of heat, e.g. cladding or plating	B23K 20/00
Alumino-thermic welding	B23K 23/00
Slag welding	B23K 25/00
Working by laser beam, e.g. welding	B23K 26/00
Electrolytic welding	B23K 28/00
Joining of preformed parts, e.g. welding of plastics	B29C 65/00

E05Y 2600/60**Mounting or coupling members; Accessories therefor****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Bolts or fastening devices for wings, specially for doors or windows	E05C
Devices for fastening or securing constructional elements or machine parts together, e.g. nails, bolts, in general	F16B

E05Y 2800/40**Physical or chemical protection****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Safety means during manual wing operation	E05Y 2400/3017
Safety arrangements associated with the wing motor	E05Y 2400/52
Safety devices for power-operated mechanisms for wings	E05F 15/40
Automatic actuated power-operated mechanisms for wings responsive to temperature changes, rain, wind or noise	E05F 15/71

E05Y 2800/404**against component faults or failure****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Fault detection of components	E05Y 2400/502
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E05Y 2800/41**against finger injury****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Safety arrangements with obstruction or resistance detection associated with the electronic control of the wing motor	E05Y 2400/54
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E05Y 2800/414**against high or low temperatures****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Overheating or overcooling prevention associated with the wing motor	E05Y 2400/528
Automatic actuated power-operated mechanisms for wings responsive to temperature changes	E05F 15/71

E05Y 2800/416**against fire****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Automatic actuated power-operated mechanisms for wings responsive to emergency conditions, e.g. fire	E05F 15/72
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E05Y 2800/426**against unauthorised use, e.g. keys****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

User authentication, e.g. biometric, as user input means	E05Y 2400/8505
Automatic actuated power-operated mechanisms for wings responsive to devices carried by persons or objects	E05F 15/76

E05Y 2800/428**against water or ice****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Moisture or submergence sensors not directly associated with the wing movement as such	E05Y 2400/447
Automatic actuated power-operated mechanisms for wings responsive to rain or wind	E05F 15/71

E05Y 2800/455**Extrusion****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Extruding metal in general	B21C 23/00
Extrusion moulding of plastics in general	B29C 48/00

E05Y 2800/46**Injection moulding****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Injection moulding of plastics in general	B29C 45/00
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E05Y 2800/465**Pressing****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Presses in general	B30B
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E05Y 2800/683**by fibre reinforcement****References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts	B29C 70/00
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E05Y 2800/74

Specific positions

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Position control, detection or monitoring related to specific positions	E05Y 2400/35
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