

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1605

DATE: JANUARY 1, 2024

PROJECT DP12138

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
DEFINITIONS:		
Definitions New:	F24S	Subclass
	F24S	10/25, 10/95
	F24S	20/67
	F24S	23/00
	F24S	25/00
	F24S	30/00
	F24S	50/20
	F24S	60/00
	F24S	70/20
	F24S	80/20, 80/30, 80/50
	F24S	90/00, 90/10
	F24T	10/00, 10/30
	F24V	30/00
	F24V	50/00
	F24V	99/00

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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2. A. DEFINITIONS (new)

F24S

References

Limiting references

This place does not cover:

Devices for producing mechanical power from solar energy	F03G 6/00
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Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Distillation or evaporation of water using solar energy	C02F 1/14
Drying solid materials or objects by radiation, e.g. from the sun	F26B 3/28
Photovoltaic [PV] cells including means directly associated with the PV cell to utilise heat energy	H01L 31/0525
Thermophotovoltaic systems	H02S 10/30
Photovoltaic [PV] modules including means associated with the PV module to utilise heat energy	H02S 40/44

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

Semiconductor devices specially adapted for converting solar energy into electrical energy	H01L 31/00
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Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Solar heat collector modules	whole solar heat collectors; part of solar heat collectors, e.g. reflectors, lens or heat storages
Absorbing elements	elements for absorbing solar-ray and converting it into heat
Solar heat systems	systems having solar heat collectors as their components and using the collected heat

F24S10/25

References

Informative references

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

Solar heat collectors having working fluid conveyed through collector, the working fluid being conveyed between plates	F24S 10/50
Solar heat collectors having working fluid conveyed through collector, the working fluid being conveyed through tubular heat absorbing conduits	F24S 10/70

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F24S10/95

References

Informative references

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

Heat-exchange apparatus with the intermediate heat-transfer medium in closed tubes passing into or through the conduit walls in which the medium condenses and evaporates, e.g. heat-pipes	F28D 15/02
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F24S20/67

References

Limiting references

This place does not cover:

Solar heat collectors integrated in fixed constructions in the form of shingles or tiles	F24S 20/69
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Informative references

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

Supporting structures specially adapted for roof structures of buildings for directly fixing photovoltaic modules	H02S 20/23
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F24S23/00

References

Informative references

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

Optical elements or systems per se	G02B
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F24S25/00

References

Informative references

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

Supporting structures specially adapted for roof structures of buildings for directly fixing photovoltaic modules	H02S 20/23
Stands or trestles as supports for apparatus not specific to apparatus provided for elsewhere	F16M 11/00

F24S30/00

References

Informative references

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Supporting structures specially adapted for roof structures of buildings for directly fixing photovoltaic modules	H02S 20/23
Stands or trestles as supports for apparatus not specific to apparatus provided for elsewhere	F16M 11/00

F24S50/20

References

Informative references

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

Arrangements for moving or orienting solar heat collector modules	F24S 30/00
Supporting structures of photovoltaic modules for generation of electric power specially adapted for solar tracking systems	H02S 20/32

F24S60/00

References

Limiting references

This place does not cover:

Arrangements for storing heat collected by solar heat collectors in the working fluids forming pools or ponds	F24S 10/10
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Informative references

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

Heat storage plants or apparatus in general	F28D 20/00
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F24S70/20

References

Informative references

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

Radiation-absorbing paints	C09D 5/32
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F24S80/20

References

Informative references

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

Materials for heat transfer	C09K 5/00
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F24S80/30

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

Joints or fittings for pipes in general	F16L
Branch units for pipes in general	F16L 41/02

F24S80/50**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Solar heat collectors having working fluid conveyed through collector surrounded by transparent enclosures, e.g. evacuated solar collectors	F24S 10/40
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F24S90/00**References****References out of a residual place***Examples of places in relation to which this place is residual:*

Distillation or evaporation of water using solar energy	C02F 1/14
Devices for producing mechanical power from solar energy	F03G 6/00
Photovoltaic [PV] cells including means directly associated with the PV cell to utilise heat energy	H01L 31/0525
Thermophotovoltaic systems	H02S 10/30
Photovoltaic [PV] modules including means associated with the PV module to utilise heat energy	H02S 40/44

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F24S90/10

References

References out of a residual place

Examples of places in relation to which this place is residual:

Solar heat collectors using working fluids using internal thermosiphonic circulation	F24S 10/90
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F24T10/00

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Devices for producing mechanical power from geothermal energy	F03G 4/00
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F24T10/30

References

Informative references

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

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Storing fluids in natural or artificial cavities or chambers in the earth	B65G 5/00
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F24V30/00**References****References out of a residual place***Examples of places in relation to which this place is residual:*

Apparatus or devices using heat produced by exothermal chemical reactions other than by combustion for cooking-vessels	A47J 36/28
Self-heating compresses	A61F 7/03

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

Materials for the production of heat or cold undergoing non-reversible chemical reactions, other than by combustion, when used	C09K 5/18
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F24V50/00**References****References out of a residual place***Examples of places in relation to which this place is residual:*

Solar heat collectors; Solar heat systems not otherwise provided for	F24S
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Geothermal collectors; Geothermal systems not otherwise provided for	F24T
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F24V99/00

Relationships with other classification places

Engines or other mechanisms for producing mechanical power from heat, see the relevant classes, e.g. subclass F03G for using natural heat.