

A23P

SHAPING OR WORKING OF FOODSTUFFS, NOT FULLY COVERED BY A SINGLE OTHER SUBCLASS

Definition statement

This place covers:

Apparatus and processes for shaping and working of foodstuff in general, not particular to any special kind of food. Processes are concerned with apparatus or process parameters (equipment to be used, configuration of said equipment, parameters such as pressure, temperature, duration of progress by equipment setup), rather than referring to products characteristics, such as recipes, ingredients etc.

Relationships with other classification places

Pharmaceutical or cosmetic products: [A61K](#);

References

References out of a residual place

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

Machines for making dough or baked dough products	A21C
Processing meat, poultry or fish	A22C
Preserving meat, fish, eggs, fruit, vegetables, edible seeds; chemical ripening of fruit or vegetables	A23B
Milk products	A23C
Edible oils or fats; e.g. margarines, shortenings, cooking oils	A23D
Coffee, tea or their substitutes; manufacture, preparation or infusion thereof	A23F
Cocoa, cocoa products, substitutes thereof, confectionery, chewing gum, ice-cream	A23G
Working-up proteins for foodstuffs	A23J 3/00
Animal foods	A23K
Post harvest processing of fruit and vegetables	A23N

Informative references

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

Apiculture	A01K 47/00- A01K 59/00
Baker's ovens, machines or equipment for baking	A21B
Foods, foodstuff or non-alcoholic beverages not covered by subclasses A23B - A23J , their preparation or treatment, e.g. cooking, modification of nutritive qualities, physical treatment, preservation	A23L
Domestic, e.g. household or kitchen apparatus for processing food	A47J
Emulsifiers in general	B01F 17/00
Grain treatment	B02B
Cutting in general	B26D
Shaping of material in a plastic state, not otherwise provided for	B29C

Dispensing, delivering or transferring liquids	B67D
Purifying water, e.g. by ion-exchange	C02F , C02F 1/42
Essential oils in general	C11B 9/00
Preservation of alcoholic beverages	C12H
Devices for drying foodstuffs	F26B

Glossary of terms

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

Food	In addition to the commonly accepted foods or foodstuffs, the term in this subclass also extends to cover food ingredients, such as thickening agents (e.g. starch), flavouring agents, artificial sweeteners, food colouring agents, etc.
------	--

A23P 10/00

Shaping or working of foodstuffs characterised by the products

Definition statement

This place covers:

Apparatus and process aspects of processing of food items in general, not related to specific food types

A23P 10/10

Securing foodstuffs on a non-edible supporting member

Definition statement

This place covers:

Machines and process for fixation of foodstuff on a non-edible supporting member, not specific to a particular type of food products

References

References out of a residual place

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

Confectionery, chocolate, ice-cream	A23G
-------------------------------------	----------------------

Informative references

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

Table service (dishes and tableware)	A47G 19/00
--------------------------------------	----------------------------

A23P 10/20

Agglomerating; Granulating; Tableting

Definition statement

This place covers:

Machines and processes for agglomerating, granulating, tableting of food products in general, not specific to a particular type of food products

Relationships with other classification places

Agglomeration, granulation, tableting of pharmaceuticals: [A61K 9/00](#)

References

Informative references

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

Crushing or disintegrating in general	B02C
Shaping presses in general	B30B

A23P 10/30

Encapsulation of particles, e.g. foodstuff additives

Definition statement

This place covers:

Machines and processes for encapsulation of particles, e.g. foodstuff additives in general, not specific to a particular type of food products

Relationships with other classification places

Encapsulation of pharmaceuticals: [A61K 9/48](#)

References

References out of a residual place

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

Flavouring agents	A23L 27/00
-------------------	----------------------------

A23P 10/40

free-flowing powder or instant powder, i.e. powder which is reconstituted rapidly when liquid is added ([A23P 10/20](#), [A23P 10/30](#) take precedence)

Definition statement

This place covers:

Machines and processes for making free-flowing or instant food powders in general, not specific to a particular type of food products

References

Limiting references

This place does not cover:

Agglomerating; Granulating; Tableting	A23P 10/20
Encapsulation of particles, e.g. foodstuff additives	A23P 10/30

Informative references

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

Chocolate drinks, in powdered form	A23G 1/56
Non-alcoholic beverages in dry form	A23L 2/39

A23P 20/00

Coating of foodstuffs; Coatings therefor; Making laminated, multi-layered, stuffed or hollow foodstuffs

Definition statement

This place covers:

Machines and processes for coating of foodstuffs, coatings therefore, making of laminated, multilayered or stuffed foodstuffs in general, not specific to a particular type of food products

Relationships with other classification places

Coating of confectionery items: [A23G 3/00](#)

References

Informative references

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

Coating processes and apparatus in general	B05C , B05D
Packaging	B65G

A23P 20/15

Apparatus or processes for coating with liquid or semi-liquid products

References

Informative references

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

Coating processes and apparatus in general	B05C , B05D
--	---

A23P 20/17**by dipping in a bath****Definition statement**

This place covers:

Apparatus or processes for dip-coating in a liquid or semi-liquid bath

References**Informative references**

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

Dip-coating in general	B05C 3/02 , B05D 1/18
------------------------	---

A23P 20/18**by spray-coating, fluidised-bed coating or coating by casting (combined with breading [A23P 20/12](#))****Definition statement**

This place covers:

Other apparatus or processes for coating of food products with liquid or semi-liquid products, e.g. spray-coating, fluidised-bed coating, coating by casting, not provided for in other classes

References**Limiting references**

This place does not cover:

Apparatus for applying powders or particles to foodstuffs, e.g. for breading; Such apparatus combined with means for pre-moistening or battering	A23P 20/12
--	----------------------------

Informative references

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

Coating processes and apparatus in general	B05C , B05D
--	---

A23P 30/00**Shaping or working of foodstuffs characterised by the process or apparatus ([A23P 10/00](#), [A23P 20/00](#) take precedence)****Definition statement**

This place covers:

Shaping methods for food products, e.g. moulding, extruding etc., not specific to a particular type of food products, and their respective apparatus

References

Limiting references

This place does not cover:

Shaping or working of foodstuffs characterised by the products	A23P 10/00
Coating of foodstuffs; Coating therefor; Making laminated, multi-layered, stuffed or hollow foodstuffs	A23P 20/00

Informative references

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

Shaping of items in general	B29C
-----------------------------	----------------------

A23P 30/20

Extruding

Definition statement

This place covers:

Shaping of food products by extrusion in general, not specific to a particular type of food products

References

Informative references

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

Extrusion in general	B29C 47/00
----------------------	----------------------------

A23P 30/30

Puffing or expanding

References

References out of a residual place

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

Flakes or other shapes of the ready-to-eat type; Their preparation or treatment	A23L 7/117
Puffed cereals, e.g. popcorn, puffed rice; Their preparation or treatment	A23L 7/161
Preparation of roasted or fried products, e.g. snacks or chips	A23L 19/18

A23P 30/40**Foaming or whipping****References*****References out of a residual place***

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

Cream substitutes; Their preparation or treatment	A23L 9/20
---	---------------------------