

A24D

CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES OF CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES

Definition statement

This place covers:

Cigars, Cigarettes

Tobacco smoke filters

Manufacture of tobacco smoke filters or mouthpieces

Glossary of terms

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

Cigarette	"cigarette" means: (1) a small tube of wrapper containing tobacco or tobacco substitutes which people smoke by igniting it directly and where the tobacco (or the tobacco substitute) is burned; (2) in a broader sense it also means a small tube of wrapper containing tobacco or tobacco substitutes which is associated with a heat source at manufacturing or inserted by the user in a device containing a heat source, and where the tobacco (or the tobacco substitute) is heated without being burned. In this broader sense, the word "rod" is also often used in place of cigarette.
Simulated smoking device	"simulated smoking devices" means devices simulating the act of smoking without burning tobacco, e.g. so called electronic cigarettes

A24D 1/00

Cigars; Cigarettes

Definition statement

This place covers:

Cigars, Cigarettes as products per se

References

Informative references

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

Filters	A24D 3/00
Manufacture of cigars or cigarettes	A24C
Pipes	A24F 1/00
Simulated smoking devices	A24F 40/00 , A24F 42/00

A24D 1/02

with special covers

Definition statement

This place covers:

Cigars, Cigarettes in which the wrapper has a particular structure or composition.

References

Informative references

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

Tobacco smoke filters with ventilation means	A24D 3/043
Treatment of cigarette papers	A24C 5/005

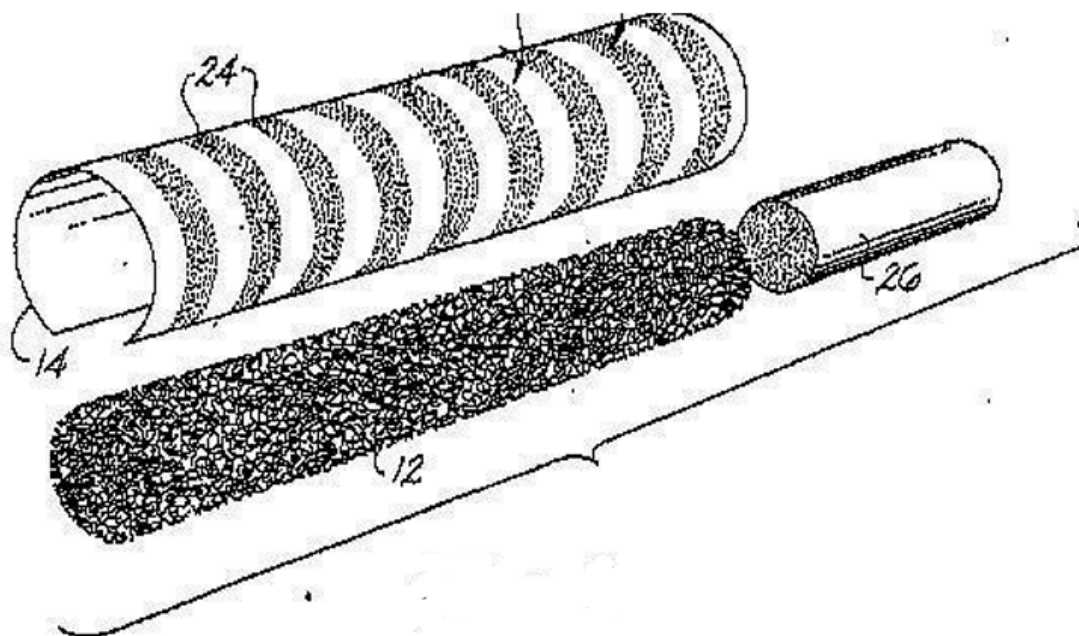
A24D 1/025

{the covers having material applied to defined areas, e.g. bands for reducing the ignition propensity}

Definition statement

This place covers:

Illustrative example of subject matter classified in this place:



The Figure illustrates a tobacco column (12) within a wrapper (14) comprising treated areas (24).

Glossary of terms

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

ignition propensity	capacity of a cigarette of burning through when left resting on a substrate without puffing
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Synonyms and Keywords

In patent documents, the following abbreviations are often used:

LIP	Low ignition propensity, Low ignition proclivity
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A24D 1/04

with mouthpieces or filter-tips

References

Informative references

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

Mouthpieces or filter-tips per se	A24D 3/00
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A24D 1/042

{with mouthpieces ([A24D 1/047](#) takes precedence)}

References

Limiting references

This place does not cover:

With extensible mouthpieces	A24D 1/047
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Informative references

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

Mouthpieces per se	A24D 3/18
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A24D 1/08

with lighting means

Definition statement

This place covers:

Smoking products combined with pyrophoric or easily ignitable material and products combined with match scratchers or analogous means

References

Informative references

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

Pyrophoric compositions	C06C 15/00
Lighters per se	F23Q

A24D 1/16

Bands for cigars or cigarettes

References

Informative references

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

Applying bands or labels to cigars or cigarettes	B65C 3/04
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A24D 1/20

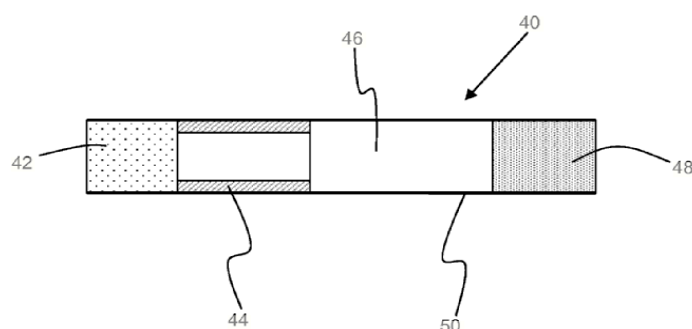
Cigarettes specially adapted for simulated smoking devices

Definition statement

This place covers:

Cigarettes to be inserted into simulated smoking devices where the cigarettes are heated by a heat source of the device.

Illustrative example of subject matter classified in this place:



The Figure illustrates cigarette (40), tobacco or tobacco substitute segment (42), hollow tube (44), filter (46), mouthpiece (48) and wrapper (50).

References

Informative references

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

Making cigarettes for simulated smoking devices	A24C 5/01
Simulated smoking devices	A24F 40/00 , A24F 42/00

A24D 1/22

Cigarettes with integrated combustible heat sources, e.g. with carbonaceous heat sources

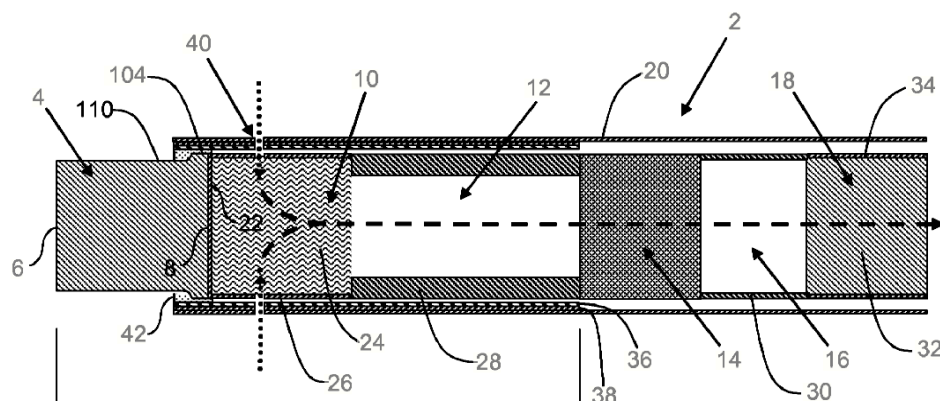
Definition statement

This place covers:

Cigarettes with an integrated combustible heat source which heats the tobacco (substitute) without burning it (to produce an aerosol) in the act of simulated smoking.

Definition statement

Illustrative example of subject matter classified in this place:



The Figure illustrates cigarette (2), heat source (4), tobacco or tobacco substitute segment (10), hollow tube (12), aerosol cooling element (14), spacer (16), mouthpiece, filter (18) and wrapper (20).

A24D 3/00

Tobacco smoke filters, e.g. filter tips or filtering inserts; Filters specially adapted for simulated smoking devices; Mouthpieces of cigars or cigarettes

Definition statement

This place covers:

Filters for tobacco smoke, products per se and their manufacture.

Mouthpieces for cigars or cigarettes.

References

Informative references

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

Special covers for cigarettes, cigars	A24D 1/02
Pneumatic transport of filters from the filter maker to the filter attaching machines	A24C 5/323
Mouthpieces for pipes, for cigar or cigarette holders	A24F 7/00
Filters in general	B01D

A24D 3/02

Manufacture of tobacco smoke filters

Definition statement

This place covers:

The production of tobacco smoke filters, e.g. from the filter tow bale to the final product.

References

Informative references

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

Attaching filters to the cigarette rod	A24C 5/47
Manufacture of paper or cellulosic material	D21

Special rules of classification

When the process of manufacture confers to the final product a particular structure, then a class of [A24D 3/04](#) should be given.

A24D 3/0287

{for composite filters}

References

Informative references

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

Transporting cigarettes during manufacture with lateral transferring means	A24C 5/326
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A24D 3/0295

{Process control means}

Definition statement

This place covers:

Control means for the filter manufacturing process.

References

Informative references

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

Examining cigarettes or the rod	A24C 5/34
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A24D 3/04

Tobacco smoke filters characterised by their shape or structure

Definition statement

This place covers:

The tobacco smoke filter as a product, eventually incorporated in a smoking article

Mechanical or structural aspects of the finished filter product

References

Informative references

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

Structural features of the filter material itself or of a filter additive	A24D 3/062
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Special rules of classification

Manufacture of tobacco smoke filters is classified in [A24D 3/02](#).

Chemical aspects of filter materials are classified in [A24D 3/06](#).

A24D 3/048

{containing additives}

Definition statement

This place covers:

Filters characterized by the presence of an additive in its constructional features.

References

Informative references

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

Additive composition	A24D 3/061
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Special rules of classification

When the additive to the filter is incorporated in the tipping paper, the document should be classified also in [A24D 1/02](#) (special covers for cigarettes)

This class takes precedence over [A24B 15/282](#) (treatment of tobacco products by chemical substances, the action of which being delayed by indirect addition of the chemical substances)

A24D 3/06

Use of materials for tobacco smoke filters

Definition statement

This place covers:

Material used in the tobacco smoke filter.

Chemical, structural or functional aspects of the material or additive.

References

Informative references

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

Manufacture of tobacco smoke filters	A24D 3/02
Shape or structure of tobacco smoke filter itself	A24D 3/04

Special rules of classification

This group comprises materials including natural organic or inorganic compounds of undefined constitution, e.g. tobacco, sand, pine needles, cork and other materials of undefined constitution obtained from animal or plants.

A24D 3/061

{containing additives entrapped within capsules, sponge-like material or the like, for further release upon smoking}

References

Informative references

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

Constructional aspects of the filter itself	A24D 3/048
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Special rules of classification

capsules, sponge like material, (foam or cellular structure are also classified in [A24D 3/066](#))

A24D 3/062

{characterised by structural features}

Definition statement

This place covers:

Structural features of the material itself or the additive (other than fibers), e.g. foam like material, particle size or shape of granular additives.

References

Informative references

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

Shape or structure of the filter itself	A24D 3/04
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Special rules of classification

Documents in these subgroups are also classified in subgroups [A24D 3/06](#) and [A24D 3/08-A24D 3/163](#), according to the chemical nature of the material or additive. Double classification is therefore necessary.

A24D 3/064

{having non-circular cross-section}

Definition statement

This place covers:

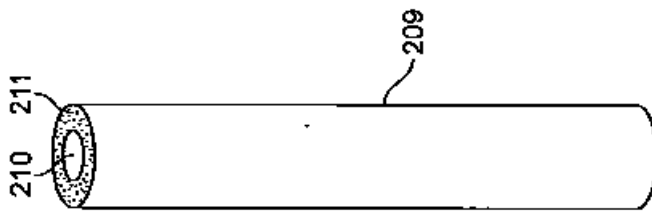
e.g. Y or C cross-section

A24D 3/065**{with sheath/core of bi-component type structure}****Definition statement***This place covers:*

Fibers with any composite structure, i.e. at least two distinctive regions, e.g. sheath/core.

Illustrative examples of subject matter classified in this place:

1. Sheath/core or hollow fibers



2. Bi-component fibers

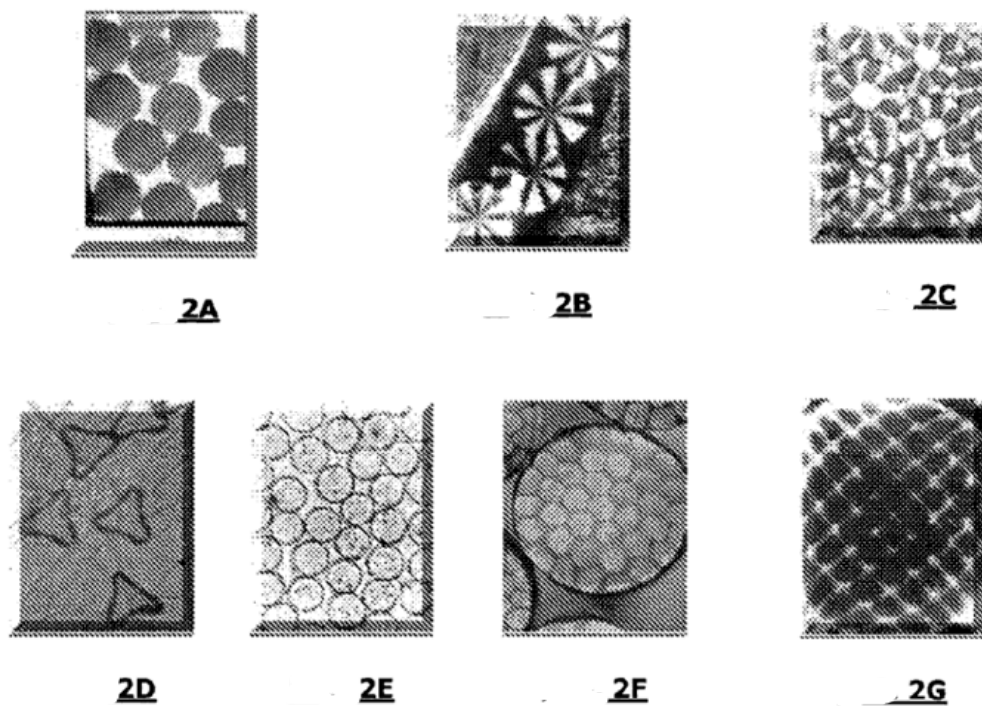


Figure 2 illustrates bicomponent fibers distributed in striped (2A), segmented pie (2B, 2C), trilobal (2D), sheath-core (2E), islands in the sea (2F, 2G).

A24D 3/066**{in the form of foam or having cellular structure}****Definition statement***This place covers:*

foam-like, cellular or porous material

A24D 3/067**{characterised by functional properties}****Definition statement***This place covers:*

Functional properties of the material, additive or the filter itself, e.g. biodegradable filter, disintegrative paper or disintegration enhancers.

Special rules of classification

Documents in these subgroups are also classified in subgroups [A24D 3/06](#) and [A24D 3/08-A24D 3/163](#), according to the chemical nature of the material or additive. Double classification is therefore necessary.

A24D 3/068**{Biodegradable or disintegrable}****Definition statement***This place covers:*

Biodegradability or ease of disintegration in the environment is an important feature of the material or filter itself.

A24D 3/08**of organic materials as carrier or major constituent (of ion exchange materials [A24D 3/12](#))****References****Limiting references***This place does not cover:*

Of ion exchange materials	A24D 3/12
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Organic compounds of undefined constitution, e.g. pine needle, cork, tobacco and other organic materials of undefined constitution obtained from animal or plants	A24D 3/06
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Special rules of classification

Synthetic products, generally polymeric. The material constitute the carrier or main component of the filter.

A24D 3/10**of cellulose or cellulose derivatives****Definition statement**

This place covers:

Cellulose, e.g. paper or derivative e.g. cellulose acetate

A24D 3/14**of organic materials as additive (of ion exchange materials [A24D 3/12](#))****Definition statement**

This place covers:

Organic additive, e.g. flavouring agent,

References**Limiting references**

This place does not cover:

Of ion exchange materials	A24D 3/12
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A24D 3/145**{Microbial metabolite, e.g. enzyme}****Definition statement**

This place covers:

Enzymes or other microbial metabolite or extract thereof, e.g. bacterial extract.

A24D 3/16**of inorganic materials****Definition statement**

This place covers:

Comprising inorganic material as main constituent or as additive.

References**Informative references**

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

Inorganic compounds of undefined constitution, e.g. sand, and other inorganic materials of undefined constitution obtained from animal or plants	A24D 3/06
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A24D 3/163**{Carbon}****Definition statement**

This place covers:

Carbon, generally active carbon.

A24D 3/166**{Silicic acid or silicates}****Definition statement**

This place covers:

includes also silica, zeolites, aluminosilicates

A24D 3/18

Mouthpieces of cigars or cigarettes; Manufacture thereof (manufacture of tobacco smoke filters [A24D 3/02](#))

Definition statement

This place covers:

elements adapted to be inserted at the mouth end of cigar or cigarettes, usually but not necessarily having filtering action, e.g. elements for smoking Russian cigarettes.

Relationships with other classification places

This group covers mouthpieces of cigarettes, whereas group [A24F 7/00](#) covers the mouthpieces (usually made of plastic, wood or metal) for holders for cigars or cigarettes.

References**Limiting references**

This place does not cover:

Manufacture of tobacco smoke filters	A24D 3/02
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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:

Making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes	A24C 5/56
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Informative references

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

Producing cigar or cigarette holders from plastics or substances in a plastic state	B29D 23/14
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