A24D

CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR 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

A24D 1/00

Cigars; Cigarettes

Definition statement
This place covers:
Cigars, Cigarettes as products per se

References
Limiting references
This place does not cover:

| Manufacture of cigars or cigarettes       | A24C |
| Electronic or imitation cigarettes       | A24F 47/002 |

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

| Filters                                  | A24D 3/00 |
| Pipes                                    | A24F 1/00 |

A24D 1/02

with special covers

Definition statement
This place covers:
Cigars, Cigarettes in which the wrapper has a particular structure or composition.

References
Limiting references
This place does not cover:

| Tobacco smoke filters with ventilation means | A24D 3/043 |
Informative references
Attention is drawn to the following places, which may be of interest for search:

| 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:
US20030136420 A1

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

| Ignition propensity | the capacity of a cigarette of burning through when left resting on a substrate without puffing |

Synonyms and Keywords
In patent documents, the following abbreviations are often used:

| LIP | Low ignition propensity, Low ignition proclivity |
A24D 1/042

{with mouthpieces (A24D 1/047 takes precedence; mouthpieces per se A24D 3/18)}

References

Limiting references

This place does not cover:

| With extensible mouthpieces | A24D 1/047 |

Informative references

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

| Mouthpieces per se | A24D 3/18 |

A24D 1/08

with lighting means (pyrophoric compositions C06C 15/00; lighters per se F23Q)

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 3/00

Tobacco smoke filters, e.g. filter-tips, filtering inserts (filters in general B01D); Mouthpieces for cigars or cigarettes (for pipes, for cigar or cigarette holders A24F 7/00)

Definition statement

This place covers:

Filters for tobacco smoke, products per se and their manufacture

Mouthpieces for cigars or cigarettes
References

Limiting references

This place does not cover:

Mouthpieces for pipes, for cigar or cigarette holders

Informative references

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special covers for cigarettes, cigars</td>
<td>A24D 1/02</td>
</tr>
<tr>
<td>Pneumatic transport of filters from the filter maker to the filter attaching machines</td>
<td>A24C 5/323</td>
</tr>
<tr>
<td>Filters in general</td>
<td>B01D</td>
</tr>
</tbody>
</table>

A24D 3/02

Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for filters D21)

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attaching filters to the cigarette rod</td>
<td>A24C 5/47</td>
</tr>
<tr>
<td>Manufacture of paper or cellulosic material</td>
<td>D21</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transporting cigarettes during manufacture with lateral transferring means</td>
<td>A24C 5/326</td>
</tr>
</tbody>
</table>
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

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

Limiting references

This place does not cover:

- Manufacture of tobacco smoke filters: A24D 3/02
- Chemical aspects of filter materials: A24D 3/06

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

A24D 3/043

{with ventilation means, e.g. air dilution (A24D 3/041 takes precedence)}

References

Limiting references

This place does not cover:

- Adjustable means for modifying the degree of filtration of the filter: A24D 3/041
**A24D 3/048**

{containing additives (additive composition A24D 3/061)}

**Definition statement**

_This place covers:_

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

**References**

**Limiting references**

_This place does not cover:_

| Additive composition | A24D 3/06 |

**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)

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**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**

**Limiting references**

_This place does not cover:_

| 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 (constructional aspects of the filter A24D 3/048)}

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 |

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 |

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

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Figure taken from patent application US2008149119 from PHILIP MORRIS USA INC  

Sheath/core type or hollow fibers.  

Bi-component type fibers:

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*FIG. 2A*  

*FIG. 2B*  

*FIG. 2C*  

*FIG. 2D*  

*FIG. 2E*  

*FIG. 2F*  

*FIG. 2G*  

Figure taken from patent application WO2013019413 from R.J. REYNOLDS TOBACCO COMPANY
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:

| 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 |
| Of ion exchange materials | A24D 3/12 |

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 |

**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**

**Limiting references**
*This place does not cover:*

| Inorganic compounds of undefined constitution e.g. sand, and other inorganic materials of undefined constitution obtained from animal or plants | A24D 3/06 |
**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 for cigars or cigarettes; Manufacture thereof** *(A24D 3/02 takes precedence; making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes A24C 5/56; producing cigar or cigarette holders from plastics or from substances in a plastic state B29D 23/14; manufacture from metal, see the relevant subclasses of Section B)*

**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.

**References**

**Limiting references**
*This place does not cover:*

| Manufacture of tobacco smoke filters | A24D 3/02 |

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

| Making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes | A24C 5/56 |
| Producing cigar or cigarette holders from plastics or substances in a plastic state | B29D 23/14 |