

Title (en)

FILTER SEGMENTS OR FILTER FOR CIGARETTES AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

FILTERSEGMENTE ODER FILTER FÜR ZIGARETTEN SOWIE VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

SEGMENTS DE FILTRES OU FILTRE POUR CIGARETTES ET PROCEDE DE PRODUCTION ASSOCIE

Publication

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Application

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Abstract (en)

[origin: WO03039277A1] The invention relates to a method for the production of filter segments (24) for multisegment filters (15) or filters (16) of the tobacco processing industry. According to said method, an extrudate (11,12) is initially produced by means of an extrusion molding method from components of the filter segments (24) or filters (16). The invention also relates to a corresponding filter segment (24) for multisegment filters (16) or a filter (16) of the tobacco processing industry. The inventive method is characterized in that in a further step thereof the extrudate (11, 12) is enveloped by a compressible and/or elastic first material (18). The inventive filter segment or inventive filter is characterized in that a filter core (22) is enveloped by at least one first enveloping material (18) which is compressible and/or elastic.

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Citation (search report)

See references of WO 03039277A1

Citation (examination)

- US 5958327 A 19990928 - BEVEN JOHN LAWSON [GB], et al
- GB 2193075 A 19880203 - BRITISH AMERICAN TOBACCO CO

Citation (third parties)

Third party :

- WO 8806412 A1 19880907 - AMERICAN FILTRONA CORP [US]
- EP 0082734 A2 19830629 - FILTRONA LTD [GB]
- US 5523036 A 19960604 - LUKE JOHN A [GB], et al
- US 3615995 A 19711026 - BUNTIN ROBERT R, et al
- US 3552400 A 19710105 - BERGER RICHARD M, et al
- US 3361137 A 19680102 - WATSON GEORGE A
- GB 1431500 A 19760407 - PHILIP MORRIS INC

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