

Title (en)  
CONVEYOR DRUM FOR GROUPS COMPRISING TWO COAXIAL CIGARETTE SEGMENTS SEPARATED BY AT LEAST ONE DOUBLE FILTER COMPRISING AT LEAST ONE FRAGILE FILTER ELEMENT

Title (de)  
FÖRDERTROMMEL FÜR GRUPPEN MIT DURCH MINDESTENS EINEN DOPPELFILTER MIT MINDESTENS EINEM ZERBRECHLICHEN FILTERELEMENT GETRENNTEN ZWEI KOAXIALEN ZIGARETTENSEGMENTEN

Title (fr)  
TAMBOUR DE CONVOYEUR POUR GROUPES COMPRENANT DEUX SEGMENTS DE CIGARETTES COAXIALES SÉPARÉES PAR AU MOINS UN FILTRE DOUBLE COMPRENANT AU MOINS UN ÉLÉMENT DE FILTRE FRAGILE

Publication  
**EP 3315032 B1 20200930 (EN)**

Application  
**EP 17197767 A 20171023**

Priority  
IT 201600107922 A 20161026

Abstract (en)  
[origin: EP3315032A1] This invention relates to a conveyor drum (1) for groups (100) comprising two coaxial cigarette segments (101) separated by at least one double filter (102) comprising at least one fragile filter element (103). The conveyor drum (1) comprises a peripheral mantle (7) provided with a plurality of receiving portions (8) distributed along the periphery of the mantle (7) and each defining a concave suction flute (8a) for housing a respective group (100). Each receiving portion (8) has, only in a part of it designed to receive the double filter (102), at least one high-compliance section (9) designed to house the at least one fragile filter element (103) and configured to allow geometric displacement of the fragile filter element (103) in a radial direction during a step of applying a plug wrap 3a on the respective group (100) by an applicator roller (3).

IPC 8 full level  
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CPC (source: EP)  
**A24C 5/327** (2013.01); **A24C 5/47** (2013.01)

Citation (examination)  
WO 2017203242 A1 20171130 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]

Citation (opposition)  
Opponent : Hauni Maschinenbau GmbH  

- US 2015351450 A1 20151210 - SINISI MARIO [CH], et al
- EP 1596674 A1 20051123 - GD SPA [IT]
- DE 667740 C 19381119 - FILTER TIPS LTD
- WO 2017203242 A1 20171130 - BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]
- EP 2762014 A2 20140806 - HAUNI MASCHINENBAU AG [DE]
- EP 2813153 A1 20141217 - JAPAN TOBACCO INC [JP]
- DE 2517299 A1 19751106 - SCHMERMUND MASCHF ALFRED
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- GB 1057060 A 19670201 - DESMOND WALTER MOLINS
- DE 667740 C 19381119 - FILTER TIPS LTD
- US 2015291301 A1 20151015 - CADIEUX EDMOND J [US], et al
- EP 0395280 A2 19901031 - PHILIP MORRIS [US]
- ANONYMOUS: "Trommel mit federnder Aufnahme", PRIOR ART JOURNAL, vol. 24, 2 December 2016 (2016-12-02), pages 27 - 29, XP055937830
- ANONYMOUS: "Elastische Maschinenelemente zum Rollen harter Stäbe", PRIOR ART JOURNAL, vol. 13, 3 July 2015 (2015-07-03), pages 107 - 08, XP055937833
- "Tobacco Encyclopedia", 1 January 1964, TJI, article ERNST VOGES: "delivery drum", pages: 106,144, XP055937837

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