

Title (en)
Multi-segment filter tube

Title (de)
Multisegment-Filterschlauch

Title (fr)
Tube de filtre multisegments

Publication
EP 2901871 A1 20150805 (EN)

Application
EP 14153566 A 20140131

Priority
EP 14153566 A 20140131

Abstract (en)
The present invention relates to a filter tube, the filter tube comprising an empty paper tube and a filter attached to the empty paper tube, wherein the filter comprises a first filter segment, a second filter segment and a third filter segment, wherein the first filter segment is located at the mouth end of the filter tube, the second filter segment is located upstream of the second filter segment and the third filter segment is located upstream of the second filter segment. The invention further concerns a method of making such a filter tube. The filter tube is suitable for make-your-own cigarettes.

IPC 8 full level
A24D 3/02 (2006.01); **A24D 3/04** (2006.01)

CPC (source: EP KR RU US)
A24D 3/02 (2013.01 - RU); **A24D 3/0245** (2013.01 - EP KR US); **A24D 3/0279** (2013.01 - EP KR US); **A24D 3/0287** (2013.01 - EP KR US); **A24D 3/04** (2013.01 - EP US); **A24D 3/048** (2013.01 - EP US); **A24D 3/061** (2013.01 - EP KR US); **A24D 3/163** (2013.01 - KR)

Citation (search report)

- [X] WO 03015544 A1 20030227 - BROWN & WILLIAMSON TOBACCO [US], et al
- [X] WO 03028495 A1 20030410 - COUNCIL SCIENT IND RES [IN], et al
- [X] WO 2006090290 A1 20060831 - PHILIP MORRIS PROD [CH]
- [X] US 2005194013 A1 20050908 - WRIGHT MILTON F [US]
- [X] US 4157370 A 19790605 - VAN HALL FLOYD [US]
- [X] WO 2006082525 A1 20060810 - PHILIP MORRIS PROD [CH]

Cited by
CN114190588A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2901871 A1 20150805; AU 2014380998 A1 20160707; AU 2019200558 A1 20190214; BR 112016016318 A2 20200526; BR 112016016318 B1 20211228; CN 105939619 A 20160914; DK 3102055 T3 20190408; EP 3102055 A1 20161214; EP 3102055 B1 20190220; EP 3469924 A1 20190417; ES 2716394 T3 20190612; HU E042052 T2 20190628; JP 2017504335 A 20170209; KR 102441187 B1 20220907; KR 20160114592 A 20161005; MX 2016009968 A 20161031; PH 12016501161 A1 20160815; PL 3102055 T3 20190830; PT 3102055 T 20190516; RS 58482 B1 20190430; RU 2016135222 A 20180305; RU 2016135222 A3 20180702; RU 2678677 C2 20190130; SG 11201606058Q A 20160830; SI 3102055 T1 20190430; TR 201902647 T4 20190321; UA 119663 C2 20190725; US 2017000185 A1 20170105; WO 2015113697 A1 20150806

DOCDB simple family (application)
EP 14153566 A 20140131; AU 2014380998 A 20141216; AU 2019200558 A 20190129; BR 112016016318 A 20141216; CN 201480074461 A 20141216; DK 14812548 T 20141216; EP 14812548 A 20141216; EP 18208914 A 20141216; EP 2014078096 W 20141216; ES 14812548 T 20141216; HU E14812548 A 20141216; JP 2016547532 A 20141216; KR 20167019747 A 20141216; MX 2016009968 A 20141216; PH 12016501161 A 20160616; PL 14812548 T 20141216; PT 14812548 T 20141216; RS P20190383 A 20141216; RU 2016135222 A 20141216; SG 11201606058Q A 20141216; SI 201431123 T 20141216; TR 201902647 T 20141216; UA A201607984 A 20141216; US 201415113098 A 20141216