

Title (en)  
METHOD FOR MANUFACTURING HOLLOW TOBACCO FILTER MEMBER

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON EINES HOHLEN TABAKFILTERELEMENTS

Title (fr)  
PROCÉDÉ DE FABRICATION D'ÉLÉMENT DE FILTRE DE TABAC CREUX

Publication  
**EP 3023014 A4 20160928 (EN)**

Application  
**EP 15809459 A 20150618**

Priority  
• JP 2014126303 A 20140619  
• JP 2015003066 W 20150618

Abstract (en)  
[origin: EP3023014A1] Provided is a method for quickly producing a hollow cigarette filter that uses cellulose acetate as its material but has no fiber fragment textured on its inner cavity. A hollow cigarette filter member 6 is formed by thermoforming a raw material containing a cellulose ester and an ester-based plasticizer without having the raw material undergo a fibrous shape.

IPC 8 full level  
**A24D 3/02** (2006.01); **A24D 3/10** (2006.01)

CPC (source: EP RU)  
**A24D 3/0237** (2013.01 - EP); **A24D 3/0241** (2013.01 - EP); **A24D 3/10** (2013.01 - EP); **A24D 3/02** (2013.01 - RU); **A24D 3/0258** (2013.01 - EP); **A24D 3/0275** (2013.01 - EP)

Citation (search report)  
• [Y] US 4180536 A 19791225 - HOWELL CARL J JR [US], et al  
• [Y] US 4411280 A 19831025 - FLOYD TERRY S [US], et al  
• [Y] GB 433048 A 19350808 - HERBERT SOUTHERDEN BURN  
• [Y] US 3366521 A 19680130 - MAHONEY WILLIAM R, et al  
• See references of WO 2015194186A1

Cited by  
GB2549803A; US11512183B2; WO2021037145A1

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 3023014 A1 20160525; EP 3023014 A4 20160928; EP 3023014 B1 20180516**; JP 2016002064 A 20160112; JP 6416512 B2 20181031; RU 2644327 C1 20180208; WO 2015194186 A1 20151223

DOCDB simple family (application)  
**EP 15809459 A 20150618**; JP 2014126303 A 20140619; JP 2015003066 W 20150618; RU 2016149505 A 20150618