

Title (en)  
A machine manufacturing filters for tobacco products

Title (de)  
Maschinelle Filterherstellung für Tabakprodukte

Title (fr)  
Machine de fabrication de filtres pour produits de tabac

Publication  
**EP 1935262 A1 20080625 (EN)**

Application  
**EP 07123907 A 20071221**

Priority  
IT BO20060875 A 20061222

Abstract (en)  
In a machine manufacturing filters for tobacco products, two continuous streams (C) of fibrous tow advance parallel along a feed path through a series of processing stations to a garniture section (7) where each is fashioned into a continuous filter rod (B); the rods are then divided into single plugs by a cutter (10). One processing station is a chemical treatment device (6) comprising at least one bath (14) filled with a liquid additive (P) supplied from a reservoir, and a partly immersed revolving brush (16) positioned and set in rotation in such a way as to project droplets of the liquid additive (P) at the continuous streams (C). The device (6) also incorporates a system (20) for measuring the level of liquid additive (P) in the bath (14); the measuring device, located remotely from the bath and therefore practically unaffected by the wave motion generated when the brushes (16) are in rotation, consists in a channel (23) containing a column of the liquid additive (P), connected at one end to the bottom of the bath (14) and equipped at the other end with a float (27) indicating the height of the column, which is proportional to the level of liquid in the bath.

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**A24D 3/02** (2006.01)

CPC (source: EP)  
**A24D 3/022** (2013.01); **A24D 3/0295** (2013.01)

Citation (search report)  
• [X] GB 2078559 A 19820113 - HAUNI WERKE KOERBER & CO KG  
• [X] GB 2109273 A 19830602 - BROWN & WILLIAMSON TOBACCO  
• [A] GB 1328151 A 19730830 - CIGARETTE COMPONENTS LTD  
• [A] US 4367249 A 19830104 - BLOOM HAROLD T, et al  
• [A] US 4567850 A 19860204 - ARTHUR HUGH M [GB]  
• [A] GB 2077630 A 19811223 - MOLINS LTD  
• [A] US 5342657 A 19940830 - BUDJINSKI JOSEPH F [US], et al

Cited by  
CN114903202A; ITBO20110272A1; CN103648309A; RU2606079C2; WO2012156911A1

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