

Title (en)  
Apparatus for feeding filters

Title (de)  
Filterzuführeinrichtung

Title (fr)  
Dispositif d'alimentation de filtres

Publication  
**EP 1779739 A1 20070502 (DE)**

Application  
**EP 06019623 A 20060920**

Priority  
DE 102005051525 A 20051026

Abstract (en)  
Filters used in the manufacture of cigarettes are provided by two part magazines [401,402] and are transferred on conveyor belts [60,61] over guide plates [46,47] to a feed unit [G] having a series of rollers. Built into the feed unit are cutter blades [11,21] that allow filters to be cut to specific lengths.

IPC 8 full level  
**A24C 5/32** (2006.01); **A24C 5/35** (2006.01); **A24C 5/47** (2006.01); **A24C 5/52** (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP)  
**A24C 5/478** (2013.01); **A24D 3/0254** (2013.01)

Citation (applicant)  
• GB 2267021 A 19931124 - MOLINS PLC [GB]  
• EP 0674853 B1 20001102 - JAPAN TOBACCO INC [JP]  
• US 5984851 A 19991116 - IRIKURA TAKAYUKI [JP]  
• US 3245414 A 19660412 - WILLY RUDSZINAT  
• WO 02083502 A1 20021024 - GD SPA [IT], et al  
• EP 1374706 A2 20040102 - HAUNI MASCHINENBAU AG [DE]  
• US 4040430 A 19770809 - MOLINS DESMOND WALTER  
• US 4716910 A 19880105 - GHERARDI GIAN L [IT]  
• GB 1538582 A 19790124 - HAUNI WERKE KOERBER & CO KG

Citation (search report)  
• [X] WO 02083502 A1 20021024 - GD SPA [IT], et al  
• [A] US 4886077 A 19891212 - HINZMANN ALFRED [US], et al  
• [A] EP 1493340 A1 20050105 - HAUNI MASCHINENBAU AG [DE]  
• [A] EP 1374706 A2 20040102 - HAUNI MASCHINENBAU AG [DE]  
• [DA] GB 2267021 A 19931124 - MOLINS PLC [GB]

Citation (third parties)  
Third party :  
• US 4040430 A 19770809 - MOLINS DESMOND WALTER  
• US 4716910 A 19880105 - GHERARDI GIAN L [IT]  
• GB 1538582 A 19790124 - HAUNI WERKE KOERBER & CO KG  
• US 5407053 A 19950418 - SUZUKI MINORU [JP], et al  
• US 4795019 A 19890103 - SPADA VALTER [IT], et al  
• US 4420073 A 19831213 - HAEUSLER NIKOLAUS [DE], et al

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EP2805635A1; ITBO20100587A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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