

Title (en)

Combined manufacturing-filter assembly unit for producing filter-tipped cigarettes.

Title (de)

Kombinierte Montageeinheit für die Herstellung von Filtern bei der Produktion von Filterzigaretten.

Title (fr)

Unité de montage combinée pour la fabrication de filtres lors de la production de cigarettes à filtre.

Publication

EP 0641524 A1 19950308 (EN)

Application

EP 94113630 A 19940831

Priority

IT BO930357 A 19930901

Abstract (en)

A combined manufacturing-filter assembly unit (1) for producing filter-tipped cigarettes, wherein one frame (2) supports a U-shaped manufacturing line (3) presenting a first and second branch (4, 5) arranged substantially side by side and parallel to each other, and an intermediate transverse branch (6) connecting the output of the first branch (4) to the input of the second branch (5); the first branch (4) being defined by a line (7) for producing cigarette portions (8); the second branch (5) being defined by a line (9) for connecting the cigarette portions (8) to respective filters and so producing filter-tipped cigarettes; and the intermediate branch (6) being defined by a transfer unit (10), the output of which is defined by a device (37) for rotating the cigarette portions (8) substantially 90 DEG about an axis perpendicular to their own axis prior to feeding them to the second branch (5). <IMAGE>

IPC 1-7

A24C 5/47; **A24C 5/32**; **A24C 5/33**

IPC 8 full level

A24C 5/32 (2006.01); **A24C 5/33** (2006.01); **A24C 5/47** (2006.01)

CPC (source: EP)

A24C 5/322 (2013.01); **A24C 5/336** (2013.01); **A24C 5/478** (2013.01)

Citation (search report)

- [A] US 4807738 A 19890228 - WHELESS JACK C [US]
- [A] US 4372436 A 19830208 - ACHELPOHL FRITZ [DE], et al
- [A] US 3485337 A 19691223 - EVERHART JOHN R
- [AD] DE 4203517 A1 19920820 - GD SPA [IT]

Cited by

US2015282522A1; DE102014113296B3; EP1561386A1; JP2005218448A; US7510068B2; IT201800011002A1; EP2997839A1; WO2017023176A1; WO2011117751A3; DE102020128187A1; WO2022090016A1; US9623988B2; US10138006B2; US10870503B2; US11383861B2; US11702232B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0641524 A1 19950308; **EP 0641524 B1 19990407**; CN 1042591 C 19990324; CN 1104072 A 19950628; DE 69417659 D1 19990512; DE 69417659 T2 19990923; IT 1264201 B1 19960923; IT BO930357 A0 19930901; IT BO930357 A1 19950301

DOCDB simple family (application)

EP 94113630 A 19940831; CN 94115630 A 19940831; DE 69417659 T 19940831; IT BO930357 A 19930901