

Title (en)

Device for compiling filter segment groups

Title (de)

Einrichtung zur Zusammenstellung von Filtersegmentgruppen

Title (fr)

Dispositif pour composer des groupes de segments de filtre

Publication

EP 2653044 A3 20150415 (DE)

Application

EP 13163684 A 20130415

Priority

DE 102012206344 A 20120418

Abstract (en)

[origin: EP2653044A2] The device (1) has a combining unit (5) for combining filter segments into groups of filter segments, three magazines (10,20,30) for filter rods, a filter segment feeding unit (11) between the former magazine and the combining unit, another filter segment feeding unit (21) between the latter magazine and the combining unit, and the third filter segment feeding unit (31) between the third magazine and the combining unit. A free space (12, 22, 32) is formed above each magazine for a tray (40), and another free space (14, 24, 34) is provided next to the former free space for the tray base (42). The former free space of the third magazine is arranged below the latter free space of the latter magazine. The third magazine and the third filter segment feeding unit are combined to form a replaceable module structural unit (3). An independent claim is included for a machine for producing multi-segment filters by a filter element groups combining device in a continuous process in a tobacco processing industry.

IPC 8 full level

A24D 3/02 (2006.01)

CPC (source: EP)

A24D 3/0287 (2013.01)

Citation (search report)

- [A] WO 2011080594 A1 20110707 - PHILIP MORRIS PROD [CH]
- [A] WO 03024256 A2 20030327 - HAUNI MASCHINENBAU AG [DE], et al
- [AD] DE 2452749 A1 19760520 - HAUNI WERKE KOERBER & CO KG
- [AD] EP 2294934 A2 20110316 - HAUNI MASCHINENBAU AG [DE]
- [XA] DE 2622449 A1 19761209 - MOLINS LTD

Cited by

DE102015200803A1; DE102015200803B4; EP3047738A1

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)

DE 102012206344 B3 20130711; CN 103371437 A 20131030; CN 103371437 B 20171013; EP 2653044 A2 20131023; EP 2653044 A3 20150415; EP 2653044 B1 20171213; JP 2013220102 A 20131028; JP 6140510 B2 20170531; PL 2653044 T3 20180629

DOCDB simple family (application)

DE 102012206344 A 20120418; CN 201310135409 A 20130418; EP 13163684 A 20130415; JP 2013085449 A 20130416; PL 13163684 T 20130415