

Title (en)

Method and apparatus for arranging filter segment groups

Title (de)

Verfahren und Einrichtung zum Zusammenstellen von Filtersegmentgruppen

Title (fr)

Procédé et dispositif de rassemblement de groupes de segments de filtre

Publication

**EP 2659792 B1 20180627 (DE)**

Application

**EP 13166295 A 20130502**

Priority

DE 102012207346 A 20120503

Abstract (en)

[origin: EP2659792A2] The method involves providing cut filter segments (8) such that the cut filter segments are spaced apart from each other along axial direction. A double length filter segment (7) on an assembling drum (52) is inserted in a gap between the cut filter segments through a filter segment feed device. The axial spacing of the cut filter segments is performed by a single spreading drum (56). The specific cut filter segment is displaced axially and the other cut filter segment is located in the axial position. Independent claims are included for the following: (1) a device for assembling filter segment groups for manufacturing multi-segment filter; (2) a multi-segment filter manufacturing machine; and (3) a method for filter change of section for assembling filter segment groups.

IPC 8 full level

**A24D 3/02** (2006.01)

CPC (source: EP)

**A24D 3/0287** (2013.01)

Citation (opposition)

Opponent : G.D S.p.A.

- WO 03024256 A2 20030327 - HAUNI MASCHINENBAU AG [DE], et al
- EP 0538661 A1 19930428 - KOERBER AG [DE]
- EP 1425979 A1 20040609 - HAUNI MASCHINENBAU AG [DE]
- DE 3817740 A1 19881215 - GD SPA [IT]
- DE 2614651 A1 19761021 - MOLINS LTD
- DE 102011107330 A1 20120119 - GD SPA [IT]

Cited by

EP2928327B1

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

DOCDB simple family (publication)

**EP 2659792 A2 20131106; EP 2659792 A3 20151007; EP 2659792 B1 20180627**; CN 103380950 A 20131106; DE 102012207346 A1 20131107; JP 2013233145 A 20131121; PL 2659792 T3 20181130

DOCDB simple family (application)

**EP 13166295 A 20130502**; CN 201310159806 A 20130503; DE 102012207346 A 20120503; JP 2013096287 A 20130501; PL 13166295 T 20130502