

Title (en)  
Staggering of filter rod segments

Title (de)  
Staffeln von Filterstabsegmenten

Title (fr)  
Espacement de segments de tiges de filtre

Publication  
**EP 2687112 A3 20150909 (DE)**

Application  
**EP 13175022 A 20130704**

Priority  
DE 102012212737 A 20120719

Abstract (en)  
[origin: EP2687112A2] The method involves locating the filter segments (F1-F3) of an article group (100) in the conveyor drum (10) in the longitudinal axial direction. The individual filter segments are received as segment article sub-groups in the retainers (A1-A3) of the conveyor drum. The filter segment (F3) is placed in the retainer (A1) in the conveying direction (T) of the conveyor drum. The filter segment (F1) is added in the retainer (A2) by spacing apart from the removed section of the filter segment (F3). The remaining retainer (A3) is added with the filter segment (F2).

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

CPC (source: EP)  
**A24C 5/478** (2013.01); **A24D 3/0287** (2013.01)

Citation (search report)

- [AD] DE 102010033871 A1 20110217 - GD SPA [IT]
- [A] EP 1374706 A2 20040102 - HAUNI MASCHINENBAU AG [DE]
- [A] DE 102004025047 A1 20051215 - HAUNI MASCHINENBAU AG [DE]
- [A] GB 2267021 A 19931124 - MOLINS PLC [GB]
- [A] EP 1393640 A1 20040303 - HAUNI MASCHINENBAU AG [DE]
- [A] DE 102009041320 A1 20110324 - HAUNI MASCHINENBAU AG [DE]

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)  
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**EP 13175022 A 20130704**; CN 201310304780 A 20130719; DE 102012212737 A 20120719; PL 13175022 T 20130704