

Title (en)

METHOD AND APPARATUS FOR INSERTING ORIENTED OBJECTS INTO A FILTER ROD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINLEGEN ORIENTIERTER OBJEKTE IN EINEN FILTERSTAB

Title (fr)

PROCEDE ET DISPOSITIF D'INSERTION D'OBJETS ORIENTES DANS UNE TIGE DE FILTRE

Publication

**EP 3064076 A3 20170104 (DE)**

Application

**EP 16154008 A 20160203**

Priority

US 201514620713 A 20150212

Abstract (en)

[origin: JP2016146826A] PROBLEM TO BE SOLVED: To provide an apparatus and method for inserting objects into a filter rod.SOLUTION: The apparatus can include: a first conduit adapted to convey a plurality of the objects in series; a first escapement having a first inlet and a first outlet connected by a first channel, where the first inlet is connected to the first conduit; a first singulation drum having an outer periphery defining a first row of first pockets adapted to hold the objects, where the first singulation drum is adapted to rotate about a first axis to successively move the first pockets into a supply part in the first outlet; and at least one first air supply source that conveys the objects from the first inlet to the first outlet, and successively into the first pockets of the first singulation drum. Other details and methods of inserting objects into a filter rod are also discussed.SELECTED DRAWING: Figure 9

IPC 8 full level

**A24D 3/02** (2006.01); **A24D 3/06** (2006.01)

CPC (source: CN EP US)

**A24C 5/002** (2013.01 - US); **A24C 5/02** (2013.01 - US); **A24C 5/32** (2013.01 - US); **A24D 3/02** (2013.01 - CN); **A24D 3/0216** (2013.01 - EP US); **A24D 3/025** (2013.01 - US); **A24D 3/0287** (2013.01 - EP US); **A24D 3/061** (2013.01 - EP US); **A24D 3/063** (2013.01 - US)

Citation (search report)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

**EP 16154008 A 20160203**; CN 201610085703 A 20160215; JP 2016021434 A 20160208; PL 16154008 T 20160203; US 201514620713 A 20150212