

Title (en)

Process for the treatment of waste material in the form of filter rods, filter cigarettes and the like

Title (de)

Verfahren zum Aufbereiten von Abfallmaterial in Form von Filterstäben, Filterzigaretten und dergleichen

Title (fr)

Procédé de traitement de déchets sous forme de tiges de filtres, cigarettes à filtres ou analogue

Publication

EP 0629355 B1 19980603 (DE)

Application

EP 94105037 A 19940330

Priority

DE 4319958 A 19930616

Abstract (en)

[origin: JPH078252A] PURPOSE: To provide an economical processing method by which a useful filter material is technically simply recovered in the form of an acetic cellulose. CONSTITUTION: In this method for processing the waste of a filter rod and a cigarette with filter including filter material having a hollow part inside which can be accessed from an outside and at least one kind of other material components, especially including paper and tobacco, the waste is distributed in a liquid a pressure container, and inactivated gas is dissolved in the liquid by lowering pressure of raising temp. Then, fine air foams are generated in the filter material by raising temp. or lowering pressure, then the filter material is floated so as to be separation from other material components. Separation to the independent components of waste is enabled so that the usable filter material is obtained as the acetic cellulose high in refining degree and can be reused in the production of the filter material.

IPC 1-7

A24C 5/36; **A24D 3/02**; **B03B 9/06**

IPC 8 full level

A24C 5/36 (2006.01); **A24D 3/02** (2006.01); **B03B 9/06** (2006.01)

CPC (source: EP US)

A24C 5/36 (2013.01 - EP US); **A24D 3/02** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE GB NL

DOCDB simple family (publication)

DE 4319958 C1 19940721; CA 2125911 A1 19941217; CA 2125911 C 19970204; DE 59406109 D1 19980709; EP 0629355 A1 19941221; EP 0629355 B1 19980603; JP H078252 A 19950113; JP H0829073 B2 19960327; PL 174406 B1 19980731; PL 303819 A1 19950109; US 5402893 A 19950404

DOCDB simple family (application)

DE 4319958 A 19930616; CA 2125911 A 19940615; DE 59406109 T 19940330; EP 94105037 A 19940330; JP 13421994 A 19940616; PL 30381994 A 19940613; US 9238493 A 19930714