

Title (en)

Process and apparatus for continuously separating desirable and undesirable substances in a fibrous suspension

Title (de)

Verfahren und Vorrichtung zum kontinuierlichen Trennen von in einer Stoffsuspension enthaltenen erwünschten von unerwünschten Stoffen

Title (fr)

Procédé et dispositif pour la séparation en continu de substances désirables et indésirables dans une suspension de fibres

Publication

EP 0658648 B1 20000112 (DE)

Application

EP 94117139 A 19941029

Priority

DE 4342289 A 19931211

Abstract (en)

[origin: EP0658648A2] The invention relates to a process for continuously separating desirable and undesirable substances in a fibrous suspension, for example for continuously cleaning a fibre suspension intended for the production of paper, board and the like on a paper machine, in which an inflow stream of the fibre suspension is led into a distribution region and is subdivided there into a number of at least approximately equal partial streams, these partial streams then passing through their own a cleaning process, a good stock stream, containing the desirable materials and a bad stock stream ("rejects") containing the undesirable materials being formed from the partial streams by means of a separating process based on the utilisation of centrifugal force and the good stock streams and the bad stock streams in each case being united in a collecting region. The invention is characterised in that the subdivision of the inflow stream of the fibrous suspension into partial streams is undertaken simultaneously for all the partial streams and is thereby effected in a vibrationally damping manner on the fibrous suspension. <IMAGE>

IPC 1-7

D21D 5/24; **D21F 1/06**

IPC 8 full level

B03B 13/00 (2006.01); **B04C 5/28** (2006.01); **D21D 5/24** (2006.01); **D21F 1/06** (2006.01)

CPC (source: EP)

B03B 13/00 (2013.01); **B04C 5/28** (2013.01); **D21D 5/24** (2013.01); **D21F 1/065** (2013.01)

Cited by

EP1087055A1; US9169597B2; US8617281B2

Designated contracting state (EPC)

DE FR IT SE

DOCDB simple family (publication)

DE 4342289 A1 19950614; DE 59409073 D1 20000217; EP 0658648 A2 19950621; EP 0658648 A3 19960207; EP 0658648 B1 20000112

DOCDB simple family (application)

DE 4342289 A 19931211; DE 59409073 T 19941029; EP 94117139 A 19941029