

Title (en)

Method for controlling sorting systems and sorting system for using the method

Title (de)

Verfahren zur Regelung von Sortiersystemen sowie zur Durchführung dieses Verfahrens geeignetes Sortiersystem

Title (fr)

Procédé pour la régulation de systèmes de triage et système de triage pour l'application du procédé

Publication

EP 1767690 A3 20071024 (DE)

Application

EP 07000198 A 20021104

Priority

- EP 02024605 A 20021104
- DE 10160603 A 20011210

Abstract (en)

[origin: EP1318229A1] To control the multi-stage sorting of fiber suspensions, to be used as pulp for papermaking, each stage sorts the fiber suspension into at least a fine and a coarse fraction. Part of the coarse fraction is taken for further sorting and the derived fine fraction is returned to the sorting process. The mass flows are established at the inflow and outflow of each stage by on-line measurement and/or computation. The registered values are passed to a processor, for mathematic modeling and condition control of the sorting system. The mass flows at the sorting stages and/or selected machine parameters are adjusted according to target values relating to production, efficiency, fiber loss and the like.

IPC 8 full level

B03B 5/00 (2006.01); **D21D 5/02** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP US)

D21D 5/02 (2013.01 - EP US); **D21G 9/0018** (2013.01 - EP US)

Citation (search report)

- [X] WO 0159206 A1 20010816 - METSO PAPER INC [FI], et al
- [X] WO 9732078 A1 19970904 - ALFA LAVAL AB [SE], et al
- [A] EP 0931873 A1 19990728 - VOITH SULZER PAPIERTECH PATENT [DE]
- [A] WO 9325752 A1 19931223 - SUNDS DEFIBRATOR IND AB [SE], et al
- [A] WO 8301969 A1 19830609 - WIKDAHL NILS ANDERS LENNART

Cited by

US11384482B2; US11193238B2

Designated contracting state (EPC)

AT DE FI FR SE

DOCDB simple family (publication)

EP 1318229 A1 20030611; **EP 1318229 B1 20070404**; AT E358742 T1 20070415; CA 2413486 A1 20030610; DE 10160603 A1 20030626; DE 50209858 D1 20070516; EP 1767690 A2 20070328; EP 1767690 A3 20071024; JP 2003239186 A 20030827; US 2003116661 A1 20030626; US 7083049 B2 20060801

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