

Title (en)

A MICROPARTICLE SYSTEM IN THE PAPER MAKING PROCESS

Title (de)

EIN MIKROTEILCHENSYSTEM FÜR PAPIERHERSTELLUNGSVERFAHREN

Title (fr)

SYSTEME A MICROPARTICULES INTERVENANT DANS LA FABRICATION DU PAPIER

Publication

**EP 1105573 A4 20011024 (EN)**

Application

**EP 99932370 A 19990709**

Priority

- US 9915541 W 19990709
- US 9240498 P 19980710

Abstract (en)

[origin: WO0003094A1] A retention and drainage aid comprising a microparticle system for use in the production of an alkaline and an acid paper product comprises a flocculant polymer and an inorganic particulate material comprising an aluminum substituted trioctahedral mineral, and optionally a cationic coagulant. The polymer flocculant is added to the furnish after the fan pump and prior to the pressure screen; the inorganic particulate material is added to the furnish after the pressure screen, and optionally, the coagulant is added prior to the fan pump.

IPC 1-7

**D21H 21/10**; **D21H 17/74**

IPC 8 full level

**D21H 17/33** (2006.01); **D21H 17/67** (2006.01); **D21H 21/10** (2006.01); **D21H 11/14** (2006.01); **D21H 17/68** (2006.01); **D21H 23/14** (2006.01)

CPC (source: EP KR)

**D21H 21/10** (2013.01 - EP KR); **D21H 11/14** (2013.01 - EP); **D21H 17/68** (2013.01 - EP); **D21H 23/14** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 0003094A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0003094 A1 20000120**; AU 4868799 A 20000201; BR 9912011 A 20010410; CA 2336970 A1 20000120; CN 1312872 A 20010912; EP 1105573 A1 20010613; EP 1105573 A4 20011024; ID 27378 A 20010405; JP 2002520505 A 20020709; KR 20010074692 A 20010809; NO 20010145 D0 20010109; NO 20010145 L 20010312

DOCDB simple family (application)

**US 9915541 W 19990709**; AU 4868799 A 19990709; BR 9912011 A 19990709; CA 2336970 A 19990709; CN 99809680 A 19990709; EP 99932370 A 19990709; ID 20010065 A 19990709; JP 2000559307 A 19990709; KR 20017000398 A 20010110; NO 20010145 A 20010109