

Title (en)

FLOCCULATION METHOD FOR MAKING A PAPER SHEET

Title (de)

VERFAHREN ZUR AUSFLOCKUNG BEI DER HERSTELLUNG EINER PAPIERBAHN

Title (fr)

PROCEDE DE FLOCCULATION POUR LA FABRICATION D'UNE FEUILLE DE PAPIER

Publication

EP 1090185 B1 20040811 (FR)

Application

EP 99920905 A 19990521

Priority

- FR 9901209 W 19990521
- FR 9806876 A 19980528

Abstract (en)

[origin: US6579417B1] According to the present invention, a cross-linked polymer or copolymer formed by reverse phase emulsion polymerization from suitable water-soluble monomers or from mixtures of such monomers is used as a retention agent. The process according to the invention is characterized in that the cross-linked polymer is sheared before its introduction or injection into the suspension to be flocculated. This results in a distinct improvement in the retention, formation, drainage and other properties of the paper or paperboard sheet thus obtained, as a function of the shearing.

IPC 1-7

D21H 21/10

IPC 8 full level

D21H 21/10 (2006.01); **D21H 17/37** (2006.01); **D21H 17/43** (2006.01); **D21H 17/45** (2006.01)

CPC (source: EP US)

D21H 21/10 (2013.01 - EP US); **D21H 17/37** (2013.01 - EP US); **D21H 17/43** (2013.01 - EP US); **D21H 17/455** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE FI FR GB IT SE

DOCDB simple family (publication)

US 6579417 B1 20030617; AT E273417 T1 20040815; AU 3830999 A 19991213; CA 2333508 A1 19991202; CA 2333508 C 20100518; DE 69919356 D1 20040916; DE 69919356 T2 20050908; EP 1090185 A1 20010411; EP 1090185 B1 20040811; FR 2779159 A1 19991203; FR 2779159 B1 20000811; WO 9961702 A1 19991202

DOCDB simple family (application)

US 70071901 A 20010309; AT 99920905 T 19990521; AU 3830999 A 19990521; CA 2333508 A 19990521; DE 69919356 T 19990521; EP 99920905 A 19990521; FR 9806876 A 19980528; FR 9901209 W 19990521