

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