

Title (en)
AUXILIARY AGENT FOR THE PRODUCTION OF CELLULOSE FIBERS

Title (de)
HILFSMITTEL FÜR DIE HERSTELLUNG VON CELLULOSEFASERN

Title (fr)
ADJUVANTS POUR LA PRODUCTION DE FIBRES CELLULOSIQUES

Publication
EP 1040214 B1 20030305 (DE)

Application
EP 98963528 A 19981128

Priority
• DE 19754314 A 19971208
• EP 9807700 W 19981128

Abstract (en)
[origin: US6475419B1] Methods of preparing cellulose materials, which methods comprise (a) reacting a cellulosic material with a first basic component to form alkali cellulose; (b) reacting the alkali cellulose with carbon disulfide and a second basic component to form a cellulose xanthate solution; and (c) extruding the cellulose xanthate into an aqueous coagulation bath; wherein a reaction product of an epoxide of the general formula (I):wherein R1 represents a linear or branched aliphatic alkyl group having from about 1 to about 22 carbon atoms, and an amine compound of the general formula (II):wherein R2 and R3 each independently represent a substituent selected from the group consisting of -CnH2n-O)m-H, alkyl groups having from about 1 to about 22 carbon atoms, and hydrogen, wherein n represents 2 or 3 and m represents a number of from about 1 to about 20; is present in at least one of the cellulose xanthate solution and the aqueous coagulation bath, are described. Cellulose xanthate solutions and aqueous coagulation baths containing such reaction products are also described.

IPC 1-7
D01F 2/10

IPC 8 full level
D01F 2/06 (2006.01); **D01F 2/10** (2006.01)

CPC (source: EP US)
D01F 2/06 (2013.01 - EP US); **D01F 2/10** (2013.01 - EP US)

Designated contracting state (EPC)
AT

DOCDB simple family (publication)
US 6475419 B1 20021105; AT E233837 T1 20030315; DE 19754314 A1 19990610; EP 1040214 A1 20001004; EP 1040214 B1 20030305; WO 9929937 A1 19990617

DOCDB simple family (application)
US 58103100 A 20000906; AT 98963528 T 19981128; DE 19754314 A 19971208; EP 9807700 W 19981128; EP 98963528 A 19981128